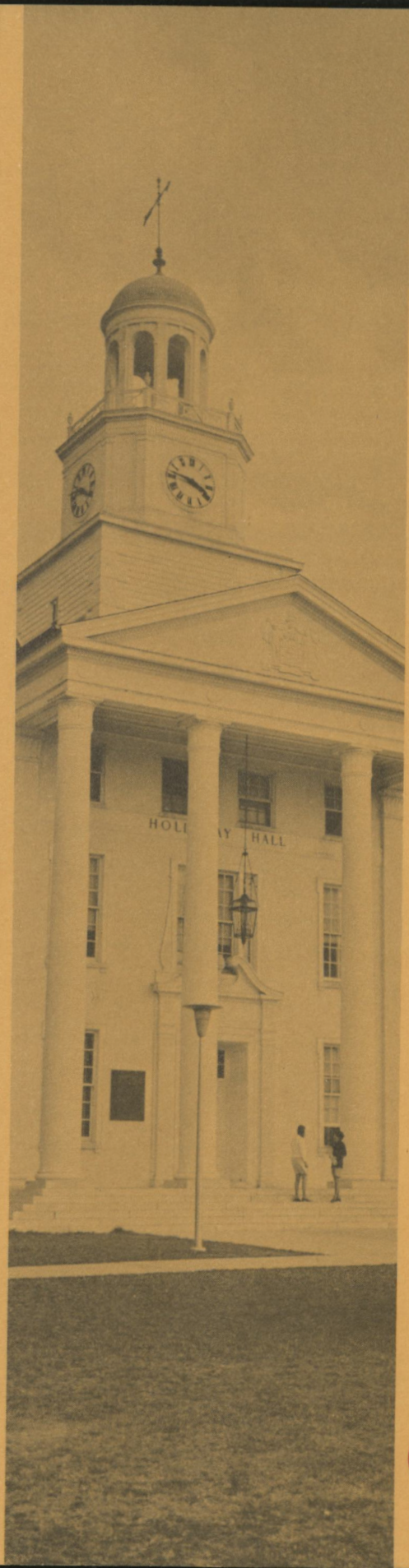

SALISBURY STATE COLLEGE

CATALOG 1972-73

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The Alumni Association of the college endeavors to maintain and strengthen communications between the college and the alumni, to continue the bond of fellowship among alumni members, and to aid the college in the fulfillment of its objectives.

ALUMNI DIRECTORY

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The mailing address

Salisbury State College
Salisbury, Maryland 21801

The telephone number:

Area Code 301 749-7191

Specific correspondence should be addressed as follows:

Admission ..... Director of Admissions
Transcript of Record ..... Registrar
Business Matters ..... Director of Business and Financial Affairs
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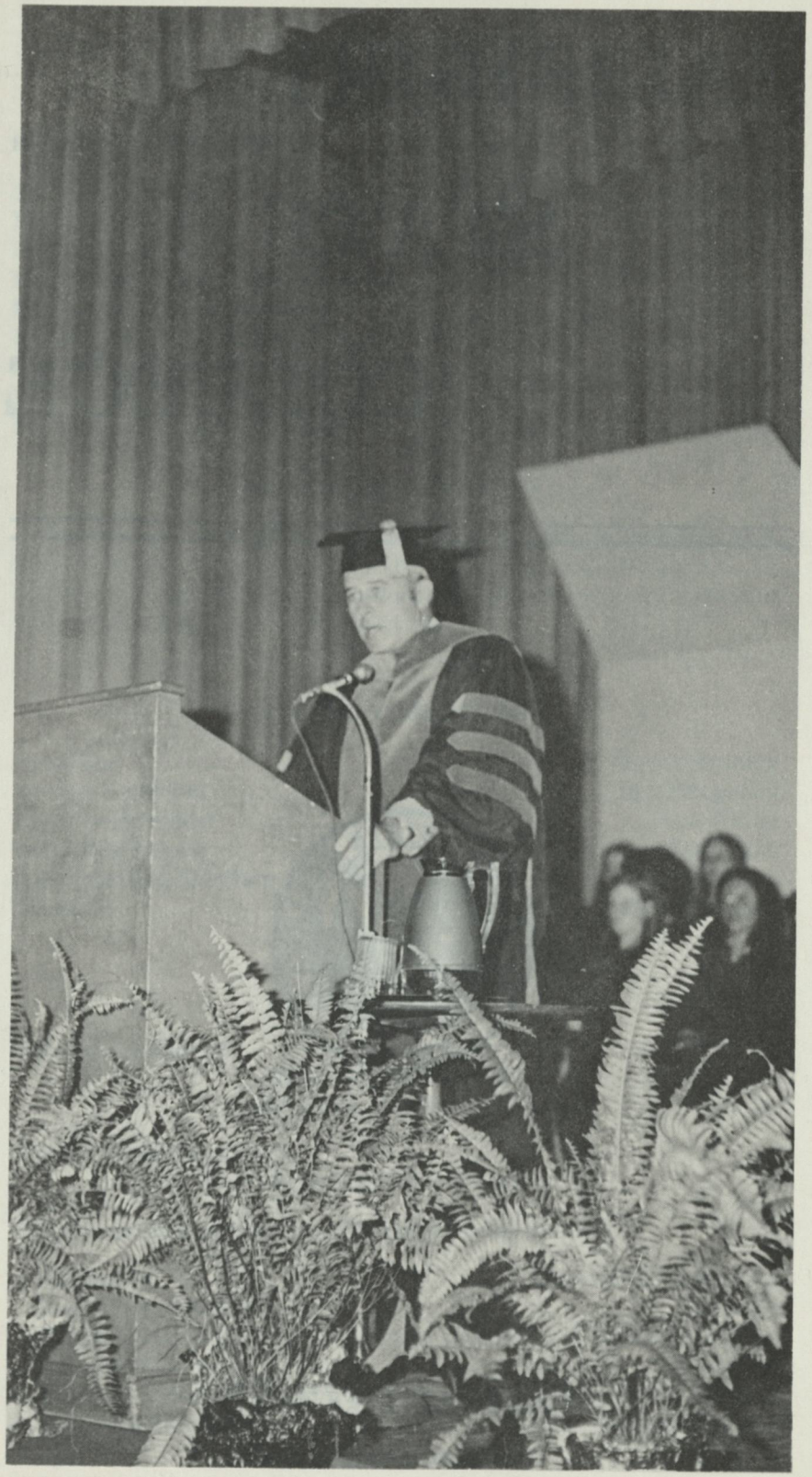
Graduate School ..... Academic Dean

SALISBURY STATE COLLEGE

Catalog 1972-73

SALISBURY, MARYLAND 21801



SALISBURY STATE COLLEGE
Salisbury, Maryland

ACADEMIC CALENDAR
FALL SEMESTER - 1972

Monday	September 4	12:00 Noon	Residence Halls Open
Tuesday	September 5	9:00 A.M.-3:00 P.M.	Students pick up registration materials. (Students who have not paid by mail will pay bills and register.)
Wednesday	September 6	8:00 A.M. 2:30 P.M.	Resolution of schedule conflicts (Drop-Add)
			A-G 8:00 A.M.-8:45 A.M. H-N 9:00 A.M. -9:45 A.M. O-S 10:00 A.M.-10:45 A.M. T-Z 11:00 A.M.-12:00 P.M. Open Drop-Add 1:00 P.M. -2:30 P.M.
Thursday	September 7	8:00 A.M.	Classes Begin
		8:00 A.M. 4:30 P.M.	Drop Add--Registrar's office (Thru Wednesday Noon-Sept. 13) Late registration fee applies
Thursday	September 14	12:00 Noon	Deadline for late registration
Tuesday	September 19	11:00 A.M.	Fall Convocation
Friday	October 27		Midsemester
Monday - Friday	Nov. 6-10		Program Planning for Spring Semester, 1973
Saturday	Nov. 4		Homecoming
Wednesday	Nov.22		Thanksgiving Holiday begins at 2:00 P.M. (Abbreviated Schedule)
Monday	Nov. 27	8:00 A.M.	Classes Resume
Friday	Dec. 15	5:00 P.M.	Classes End
Saturday -Friday	December 16-22		Final Examinations
Friday	Dec. 22	12 Noon	End of Semester

SPRING SEMESTER 1973

Sunday	Jan. 14	12 Noon	Residence Halls Open
Monday	Jan. 15	9:00 A.M.- 3:00 P.M.	Students pick up registration materials. (Students who have not paid by mail will pay bills and register.)
Tuesday	Jan.16	8:00 A.M.- 2:30 P.M.	Resolution of schedule conflicts (Drop-Add) T-Z 8:00 A.M. - 8:45 A.M. O-S 9:00 A.M. - 9:45 A.M. H-N 10:00 A.M. - 10:45 A.M. A-G 11:00 A.M. - 12:00 P.M. Open Drop-Add 1:00 P.M.- 2:30 P.M.
Wednesday	January 17	8:00 A.M.	Classes Begin
		8:00 A.M.- 4:30 P.M.	Drop-Add-Registrar's Office (Thru Tuesday Noon-January 23.) Late Registration Fee Applies
Wednesday	Jan. 24	12:00 Noon	Deadline for late registration
Friday	March 9		Midsemester-Spring Vacation begins after last class
Sunday	March 18	12 Noon	Residence Halls Open
Monday	March 19	8:00 A.M.	Classes Resume
Monday Friday	March 19-23		Program Planning for Fall Semester, 1973
Thursday	April 5	11:00 A.M.	Honors Convocation
Thursday	April 19		Easter Vacation begins after last class
Wednesday	April 25	8:00 A.M.	Classes Resume
Monday Wednesday	April 30 May 2		Senior Examinations
Friday	May 4	5:00 P.M.	Classes End

Monday Saturday	May 7-12		Final Examinations
Sunday	May 13	10:30 A.M.	Commencement

SUMMER SESSION 1973

FIRST SESSION

June 4- July 11

SECOND SESSION

July 12 - August 17

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M.A., University of Kansas
Ph.D., Emory University

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EMERITI

MCCURDY BURNET, Associate Professor Emeriti of English

MARY LAURA FRANCIS, Professor of French

JAMES R. FOCHT, Associate Professor of Education

*Degree Expected, 1973

THE COLLEGE

ACCREDITATION

Salisbury State College is a fully accredited four year liberal arts college offering undergraduate programs leading to the Bachelor of Arts and Bachelor of Science degrees, and graduate programs leading to the Master of Education degree and the Master of Arts degree in History. The College is accredited by the Middle States Association of Colleges and Secondary Schools, the Maryland State Board of Education and the National Council for Accreditation of Teacher Education.

STATE SUPPORT

The College is an integral part of the public system of higher education in the State of Maryland. It is governed by the Board of Trustees of the State Colleges and is supported by appropriations authorized by the State Legislature.

HISTORY

In 1922 the State Legislature established a commission to determine a location for a two year normal school on the Eastern Shore of Maryland. A site at Salisbury was selected by the commission, and the institution opened in September, 1925.

The school offered a two year course for the preparation of elementary school teachers in Maryland until 1931 and 1934, when respective increases of three and four years were made. By action of the Legislature of 1935, the College was authorized to grant the Bachelor of Science degree and to change its name to the State Teachers College at Salisbury.

Prior to 1947 the College limited its program to the preparation of teachers for the elementary schools. Expansion of the teacher preparation program occurred that year to include the junior high school level and in 1960 to include secondary school teachers, with a four year program in Arts and Sciences with majors in several academic fields leading to the Bachelor of Arts and Bachelor of Science Degrees. In 1962 the State Board of Trustees approved a graduate program in education leading to the Master of Education and in 1971 a program leading to the Master of Arts degree in History was approved.

In 1963, Salisbury State College became one of the State Colleges of Maryland under jurisdiction of the Board of Trustees of the State Colleges. Major emphasis was placed on the four year program for undergraduates, offering majors in the arts and sciences as well as professional preparation leading to teacher certification.

PHILOSOPHY AND PURPOSES OF THE COLLEGE

As a state-supported educational institution, Salisbury State College is concerned with it's accountability and educational responsibilities in all areas of operations. Such responsibility prompts establishing a primary objective of providing academic programs for all elements of

the public. It is, likewise, a concern of the College to offer its facilities to the community for enrichment purposes.

The College strives to provide highest quality undergraduate and graduate programs in Liberal Arts and Teacher Education. And, in addition, effort is made to constantly improve daytime, evening and summer non-credit programs, as well as to create new educational experiences whenever a need arises.

The College's institutional philosophy is based not on rigidity and exclusiveness, but on flexibility of services to all who wish to avail themselves.

Salisbury State College perceives itself as a place where every person-regardless of race, creed or religion-will be respected with dignity. That person will be afforded the opportunity to develop his mind and body to its fullest capabilities. The resources are vast, the opportunities are nearly limitless to all who wish to energetically accept the challenges.

CAMPUS AND BUILDINGS

Salisbury State College is located on Md. Route 13 at the southern edge of Salisbury, which has a Metropolitan population of 50,000 and lies 32 miles west of Ocean City, Md., 115 miles southeast of Baltimore and Washington, 125 miles south of Philadelphia and 125 miles north of Norfolk, Va.

Administrative offices are situated in **Holloway Hall** the orignal College building. This Georgian-styled structure contains the following offices: President, Academic Dean, Dean of Students, Assistant to the President, Registrar, Public Relations, Data Processing Center, Alumni Association, Dormitory Rooms for Men, a Student Lounge, Faculty Offices and Classrooms. Also in Holloway are a modern 776-seat Auditorium, paneled Social Room and Art Gallery.

Caruthers Hall, located nearest to the Route 13 entrance to the College houses additional Administration Offices: The Summer and Evening Program Office, the Admissions Office, the Business and Finance Offices, Teacher Education Offices, as well as Classrooms, Faculty Offices, Central Services, and a 225-seat Auditorium.

Blackwell Library, an air-conditioned facility near the center of the campus, houses 125,000 books in open stacks, 600 current periodicals, phonograph records, government publications, clipping files, bound periodicals and microfilm and microfiche. The Maryland Room has a collection of valuable books and documents related to Maryland, as well as reading, listening and study rooms.

The library collection is expanding currently at the rate of approximately 8,500 books per year. Plans for new buildings on the campus include an addition to the Library of 26,000 square feet.

Another fine new building is a three-story air conditioned **Devilbiss Science Hall.** In addition to it's 24 classrooms and 24 offices are a Language Laboratory, Laboratories for Geography and Biological

Sciences, Chemistry, and Physics and Physical Science. Special features in this building are a Theatre-Lecture Hall, seating 224 and a Greenhouse.

The Musical Arts Center, situated adjacent to Rte. 13, is an acoustically-treated building, containing five practice rooms, two classrooms, an enlarged classroom for chorus and performances by instrumental ensembles, and faculty offices.

The hub of student activity is **Memorial Student Union,** which includes the College Dining Hall and Kitchen, Snack Bar, College Book Store, College Post Office and Recreation Area.

Tawes Gymnasium is the center of College athletic activity and is used by both men and women. The well-lighted gymnasium has a bleacher seating capacity of 1,000 for varsity basketball and other indoor men's and women's indoor sports. Other features include an attractive lobby with trophy cases, faculty offices, laundry facilities, classrooms, first-aid and training room (with modern hydro-therapy equipment), weight-training room, dance and correctives room and gymnastics apparatus.

The recently renovated College Health Center, located at the South end of Holloway Hall, features seven student-patient beds, a waiting room, two offices, a treatment room and a utility room.

Five modern and well-equipped Dormitories house the on-campus students and provide double and single bedrooms, lounges, supervisors apartments, laundry facilities, small kitchens, and recreation rooms

Wicomico Hall houses 96 students, **Manokin Hall,** 84 students, **Pocomoke Hall,** 100 students, **Nanticoke Hall,** 145 students, and scheduled for occupancy for the first time is **Choptank Hall,** a six-story, air-conditioned dormitory for 221 students, which features on the first floor, eight double bedrooms with two student baths, a manager's apartment, visitor's Lounge, Elevator and public toilets. Each of the five upper floors contains 20 double bedrooms, four students bathrooms, proctor's bedrooms and bath, trunk storage room, trash room, snack room, student lounge and elevator.

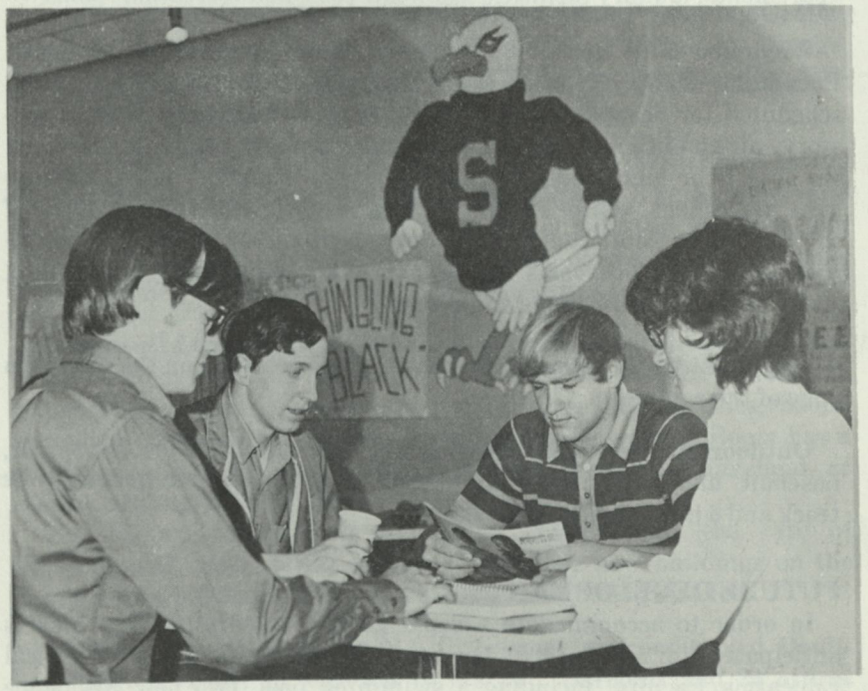
The President's Home is located on a wooded knoll on the Southern edge of the campus.

Outdoor Athletic Facilities include the varsity fields for soccer, baseball, and field hockey, practice fields, all-weather quarter-mile track and 6 hard-surface tennis courts.

FUTURE DEVELOPMENTS:

In order to accommodate a rapid growth in enrollment, which is anticipated to reach 3000 day students by 1980, a new Physical Education Facility, including a swimming pool, two new Residence Halls and a Student Union are scheduled for early construction.

Nanticoke Hall



Student Union

A renovation of Holloway Hall and an addition to Blackwell Library, which will triple its present size, are planned for the Summer of 1972.

Planning also has begun for the renovation of Caruthers Hall and of the existing Dining Hall-Student Union to a modern dining facility to accommodate the increasing resident population.

ADMISSION

The College invites applications from all who are interested in pursuing programs in the Arts and Sciences or in Teacher Education. Qualification for admission is determined without regard to race, color, religion, national origin, or sex. Many aspects of the applicant's background and experience are considered in determining eligibility for admission. Flexibility within the admissions policy permits the acceptance of some each year who have failed to meet all regular requirements for admission but who nevertheless show promise of academic success. The College believes that it is not in the best interest of either the applicant or the College to admit those who have little or no chance of success. The College welcomes inquiries from all who seek its resources. Students who matriculate following acceptance assume the responsibility of upholding the standards and traditions of the College and adhering to its regulations.*

GENERAL INFORMATION

Applications for admission, catalogs, and other information about the College may be obtained on request to the Director of Admissions, or from staff representatives, at College night programs scheduled by many of the secondary schools and junior colleges of Maryland and surrounding areas. The College does not require personal interviews, however, campus visits may be made throughout the year. Campus tours are regularly scheduled every day, Monday through Friday at 1:30 p.m. These tours, led by College students, will originate from the Undergraduate Admissions Office.

ADMISSIONS POLICY

Admission to Salisbury State College is granted to those applicants whose academic and personal qualifications give promise of success in College. The evaluation of the applicants' chances for academic success is the responsibility of the Admissions Committee which considers the students' math and verbal scores on the Scholastic Aptitude Test (SAT), the high school record, and the recommendation of the high school principal or guidance counselor.

*The College reserves the right to refuse admission to or to require the withdrawal of any student who is considered unable to carry on College work satisfactorily, or who fails to abide by its regulations and policies.

Students should submit their applications for admission during the first semester of the Senior year. Applicants are urged to take the SAT examinations no later than the December testing date. The College cannot assure full consideration of applicants submitting scores for the SAT taken later than January of the Senior year. The College reserves the right to close admissions when no space remains.

Students planning to enter college are encouraged to complete the college preparatory curriculum in high school. Satisfactory completion of at least two years in a foreign language and a well rounded program are recommended.

UNDERGRADUATE ADMISSIONS REQUIREMENTS

(From Laws Relating to and govering policies and procedures of the Board of Trustees of the State College of Maryland.)

Admission to the State Colleges shall be determined without regard to race, color, religion, national origin, or sex.

1. **High School Graduates**

A. Admission shall be granted to high school graduates on the basis of grades, rank, admission test scores, and such other evidence, including the recommendations of appropriate high school officials, as may be deemed indicative of the ability of the applicant to complete a course of study in College leading to a degree.

B. No admission offer shall be made prior to receipt of a candidate's scores on the admission tests administered in the candidate's Senior year or subsequent thereto, except in special circumstances as determined by the College. Early admission may be offered to not more than a maximum of twenty percent of the anticipated enrollment in the Freshman class. Such an offer shall be made only to an applicant of demonstrated superior scholarship and promise, as evidenced by his record through the Junior year and by his performance on the admission tests administered in his Junior year or subsequent thereto.

C. The tests to be used for admission considerations shall be the College Board Scholastic Aptitude Tests.

D. Admission prior to graduation from high school shall be conditional upon completion of the high school curriculum in a manner that would qualify the student for admission under paragraph 1A, above.

E. In the evaluation of academic credentials, no preference shall be granted, as between residents of the State, upon the basis of their place of residence.

F. Completion of a college preparatory curriculum shall not be a condition of admission. High school graduates who have not followed a college preparatory curriculum, but whose grades, rank, and aptitude test scores indicate the potential to complete a college degree program, shall not be denied admission on that ground.

2. Non-Graduates of High School

Admission shall be granted to applicants who are not high school

graduates on the basis of high school equivalence examinations, the admission test scores and such other evidence, including the recommendations of appropriate persons, as may be deemed indicative of the ability of the applicant to complete a course of study in college leading to a degree.

3. Out-of-State and Foreign Students

A maximum of fifteen percent of the total student body at each college may be composed of out-of-state students and foreign students not resident in Maryland. However, the College shall be expected to meet its obligations to qualified resident students before approaching the maximum enrollment of out-of-state and non-resident foreign students.

4. Student Residency Classifications For Tuition Purposes.

A. General. To qualify as a resident for tuition purposes for any given semester, an individual must have maintained his/her domicile in Maryland for at least six months immediately prior to the last date available for initial registration for that semester in the applicable state college.

B. Domicile.

(1) Establishment of domicile. The term "Domicile" shall be synonymous with the term "residence". Domicile is a person's permanent place of abode, namely, there must be an intention to live permanently or indefinitely in Maryland. Domicile must be established in Maryland for a purpose independent of attendance at a State College.

(2) Maintenance/change of domicile. For the purpose of residency for tuition purposes, only one domicile may be maintained.

(A) A domicile in Maryland is lost when a new one is established elsewhere, or if an individual leaves the State with no intent to return to Maryland. After residing elsewhere for six months, regardless of intent to return, a student's status as a resident for tuition purposes is in question.

(B) The domicile of a student shall be determined at the time of initial registration but may thereafter be changed for any subsequent semester if circumstances change in relation to these regulations.

(C) The burden of proof of domicile shall necessarily rest with the student

(3) Domicile of a minor. The domicile of an unmarried, unemancipated minor is normally that of the parent having custody of the minor. The following extenuating circumstances shall apply:

(A) If both parents are deceased, the domicile of the minor shall normally be that of the legal guardian if one has been appointed. If no legal guardian has been appointed, the minor's domicile shall normally be that of the person in loco parentis to the minor. A person stands in loco parentis to a student when he has put himself in the situation of a lawful parent by assuming the obligations incident to the parental relation without going through the formalities necessary to legal adoption. The determination of such status will be made on a case by

case basis by the responsible college official who will consider who has custody or control of the student, who is financially supporting the student, and who has assumed general responsibility for his/her welfare.

(B) If the parent, legal guardian, or person in loco parentis (whichever is applicable) having custody of the minor changes his/her domicile to another state, the student shall be charged out-of-state tuition for any semester commencing six months after the person having custody changes his/her domicile.

(C) A non-resident student who reaches the age of twenty-one while attending a State College does not qualify for classification as a resident for tuition purposes simply by virtue of having become an emancipated student.

(D) An emancipated student is considered an adult for the purpose of determining his/her residence classification.

(E) The residence of a married minor shall be determined in the same manner as an adult.

(4) Domicile of a Woman.

(A) A married woman must establish her domicile independently of her husband, even though they live jointly.

(B) A divorced woman must establish her own domicile.

(C) A separated woman must establish her own domicile.

(D) A minor whose marriage is annulled takes on the domicile of her parent, legal guardian, or person in loco parentis.

(E) A woman over twenty-one whose marriage is annulled is responsible for establishing her own domicile.

(5) Emancipation.

(A) Minors claiming emancipation from their parent, legal guardian, or person in loco parentis (if applicable) must present one or more of the following documents to substantiate any claim of emancipation:

(I) Proof of place and length of domicile in the state,

(II) Marriage Certificate,

(III) Court order declaring that a student under the age of twenty-one is emancipated from his/her parent or legal guardian, (A notarized letter and a copy of the previous year's tax return from the parent (s) or legal guardian may suffice if the costs of obtaining a court order place an undue financial burden on the student.)

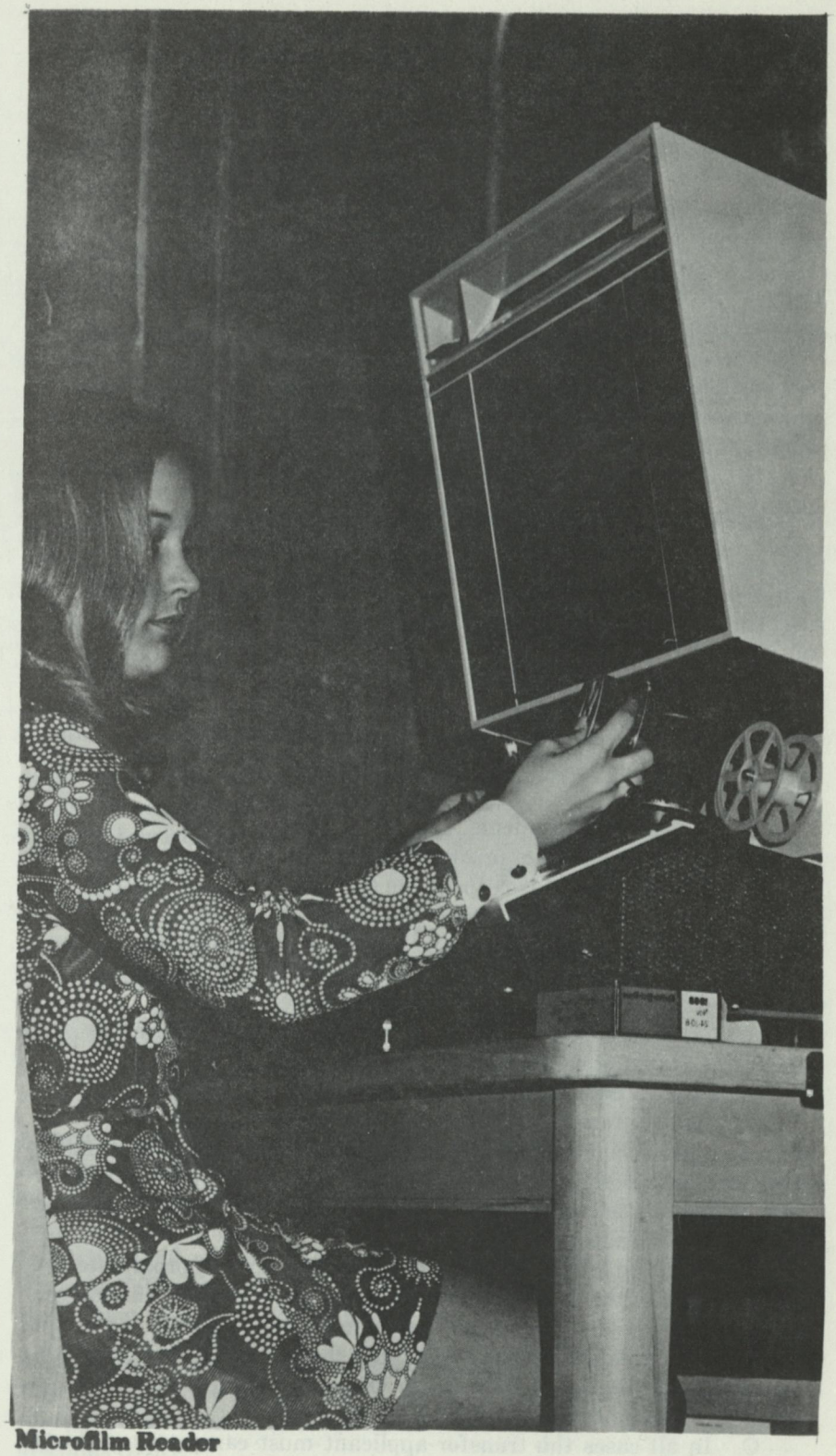
(B) Minors claiming emancipation must meet the domicile requirements of an adult.

(6) Adults.

(A) A person twenty-one years of age or older is a resident if he/she has maintained continuous domicile in Maryland for six months immediately prior to the last day available for initial registration.

(7) Military Personnel.

(A) Members of the armed forces not from Maryland at the time of entrance into the armed forces and stationed in Maryland may be considered residents of this state if they establish domicile in Maryland.



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(B) The dependents of men and women in any branch of the Armed Forces who are stationed in Maryland and who have established domicile in the state six months prior to their first registration are granted residence status for tuition purposes.

(C) A member of the armed forces who was a resident of Maryland at the time he/she entered the Armed Forces retains his/hers residency status as long as he/she remains in the armed forces provided he/she does not establish domicile elsewhere.

(D) An adult sent by a branch of the Armed Forces to a State College for the purpose of completing degree requirements may be granted residence status for tuition purposes.

(8) Foreign Nationals.

(A) Any foreign national holding a permanent United States immigrant visa must meet the domicile requirements of an adult or a minor, as applicable.

(B) A foreign national possessing a student visa cannot be classified as a resident of Maryland.

(C) The minor sons and daughters of citizens of other countries who are holders of a G-1 visa and whose parent (s) or legal guardian establish domicile in Maryland for a period of six months prior to registration at a State College may be granted residence status for tuition purposes.

(D) Adults on refugee visas of other countries may be granted Maryland residence status provided they establish domicile in the state for a period of six months prior to their first registration at a State College. Minors acquire the residence of their parents (s) or legal guardian.

(9) Responsibility of Students.

(A) Any student or prospective student in doubt concerning his/her residence status is responsible for receiving a ruling from the designated official at the applicable State College.

(B) A student who alters his/her status from resident to non-resident, or vice-versa has the responsibility of informing the designated official at the applicable State College.

(C) The residency status of a student may be altered by the applicable State College on the basis of its own findings.

5. Advanced Undergraduate Standing

A. An applicant for advanced undergraduate standing must present a transcript and record showing that he left in good standing from the last college or university he attended. Such college or university shall be regionally accredited or accredited by the Maryland State Board of Education.

B. Credit shall be allowed for all courses that approximate the requirements of the particular college, or, if not offered at the college, are approved by the appropriate department of the college, or in the absence of an appropriate department, by the curriculum committee of the college. In no case shall transfer credit be allowed for courses in which the applicant has earned a "D" or "F" grade.

C. In all cases the transfer applicant must earn at least thirty

credit hours toward his degree at the college as a full-time student.

D. Exemptions from the above requirements may be granted on an individual basis by the president of the college, except that in no case shall transfer credit be allowed for courses in which the applicant has earned a "D" or "F" grade.

Tuition Waiver Program

A Maryland General Assembly (1972 Session) bill to abolish tuition waver agreement had been passed by both house and senate and was awaiting Governor Mandel's signature at catalogue press time.

Provisions of this bill state that the tuition free program for students entering the public school teaching profession will be discontinued on October 1, 1972. All students participating in the program prior to that date may continue in the program and they may acquire details of the program from the Registrar's Office.

ADMISSIONS PROCEDURE

Application Deadlines: Applications may be submitted as early as September 15. Applicants are encouraged to apply early in the Fall Semester of their senior year and to adhere to the following deadlines and notification dates:

Fall Semester - Feb. 1 Notification Date - March 20

Spring Semester - Oct. 15 Notification Date - Dec. 1

Applications will be accepted after deadline dates if space is available.

Applications for admission must be accompanied by a non-refundable application fee of $10.00. Upon acceptance to the college, the applicant is required to submit a non-refundable acceptance fee of $50.00. When the student enrolls, the $50.00 acceptance fee will be credited toward charges due at registration. Both the application fee and the acceptance fee are applicable only for the semester for which the application is submitted.

Since requirements for admission include scores on the scholastic aptitude test (SAT), each applicant must request Educational Testing Service, Princeton, New Jersey, 08540, to forward his test scores directly to the Director of Admissions. The code number for Salisbury State College is 5403. Details concerning the administration of the scholastic aptitude test may be obtained from the high school guidance counselor or principal.

Admission by High School Equivalence Certificate

Applicants who are not high school graduates may qualify for admission by earning satisfactory grades on the high school equivalence examinations administered by the State Department of Education and receiving the high school equivalence diploma. These students follow the same procedures for admission as those making application from secondary schools.

Admission of Auditors and Special Students

Applicants who wish to take a limited number of undergraduate courses in the non-degree program should apply through the Admissions Office.

Admission of Foreign Students
Admission may be offered to a limited number of foreign students who demonstrate college ability and proficiency in the English language, and who have the necessary health and financial prerequisites. Foreign student applicants must take the TOEFL test and have the results forwarded to the Admissions Office before formal applications will be considered.

Readmission
Former students in good standing at the time of their withdrawal from Salisbury State College who have not attended another college during their absence from Salisbury State are eligible for readmission. To be readmitted the candidate must apply through the Admissions Office.

Former students who have been required by the college to withdraw for academic or other reasons may petition the committee on admissions for reinstatement. Such candidates for readmission should petition the committee by letter addressed to the Director of Admissions. Letters mush show reasons why the candidate merits consideration for reacceptance and present evidence that reinstatement will be followed by successful performance. Applicants for readmission who have been dropped from the college shall normally be interviewed prior to consideration for readmission.

Former students who have attended another college after leaving Salisbury State College must apply for readmission and request that transcripts be sent to the Director of Admissions.

ADMISSION OF FRESHMEN STUDENTS

Regular Admission

The policy for regular admission of new freshmen is based on the predictd success of our applicants. Criteria for admission include the high school grades in academic subjects for the sophomore year, the junior year, and the first half of the senior year, and the verbal and math scores of the scholastic aptitude test.

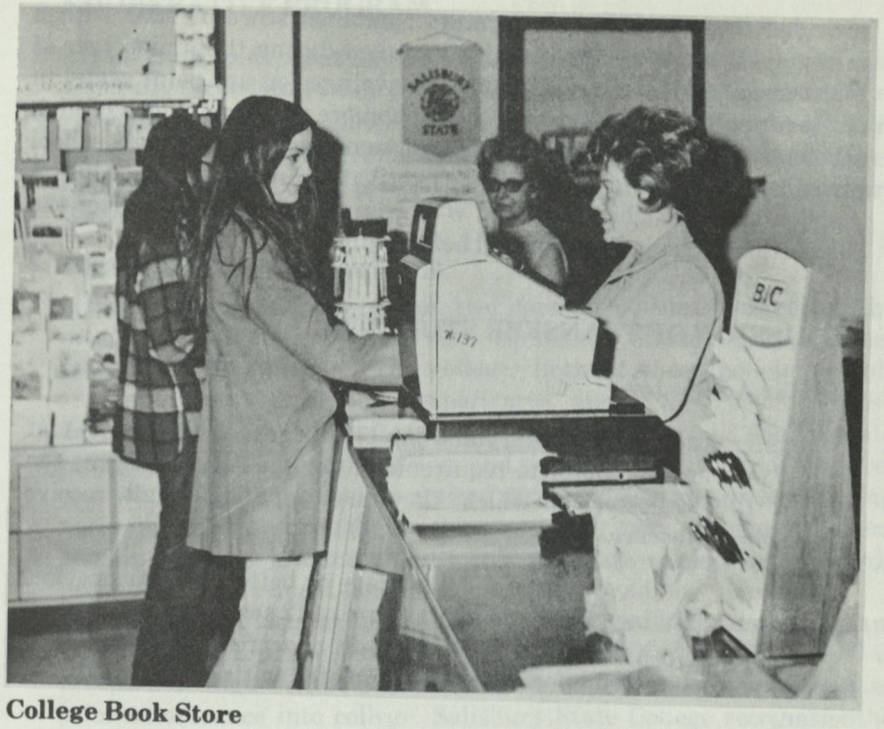
Early Decision

High school seniors having the following qualifications shall be considered for early decision until March 1:

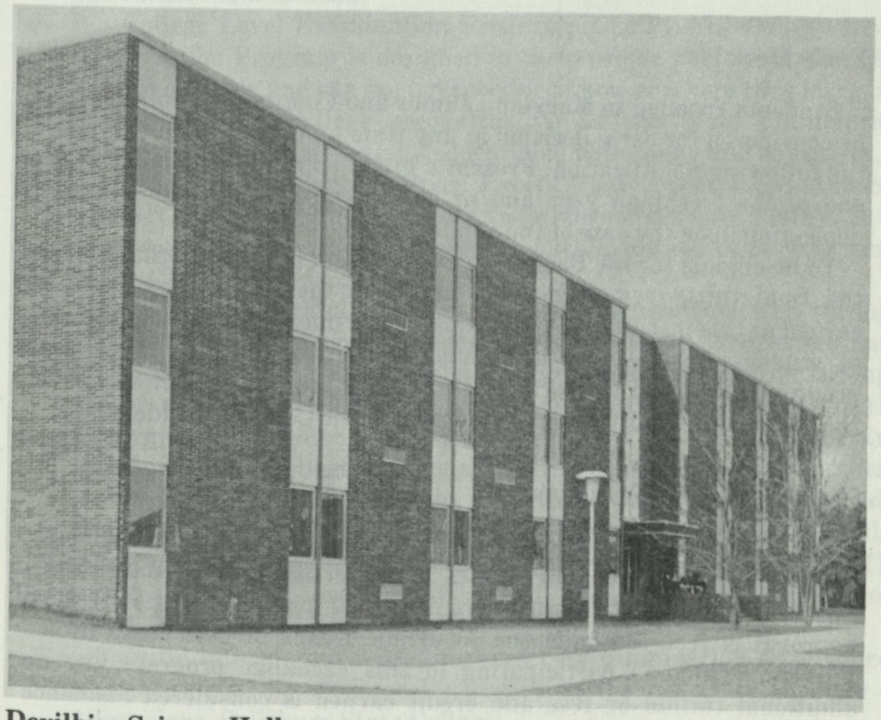
1. An average grade of "B" or better in academic subjects for the sophomore and junior years of high school.
2. SAT scores totalling a minimum of 1000 with a minimum verbal SAT score of 500.

Early Admission

Students who have completed the junior year of high school may apply for acceptance in September into the regular college program



College Book Store


Devilbiss Science Hall

provided they: 1) Have a minimum combined score of 1200 with a minimum score of 600 in verbal SAT taken during the junior year of high school: 2) Have a minimum 3.25 average (on a 4 point scale) in academic subjects taken during the sophomore and junior years of high school: and 3) Have a positive recommendation of the high school principal attesting to the student's motivation, maturity and ability. Applications must be submitted with completed documents after the completion of the junior year and before July 1.

ADMISSION OF TRANSFER STUDENTS

Regular Admission

Transfer students from Maryland junior colleges who have the A.A. Degree or who will complete requirements for the A.A. degree at the end of the semester in which they are applying, shall receive admission preference.

Students who have earned a 2.0 average or better in their previous college work (having completed a minimum of 12 semester hours) shall normally be admitted. Transfer students from accredited colleges will normally receive credit for all work completed with grades of "C" or better.

The freshman admissions policy shall apply to students who present less than 12 hours of transferable credit.

Early Decision

Students enrolled in Maryland Junior and Community Colleges may be considered for early decision at any time up to March 1 if they meet the following qualification: Present a grade point average of 3.0 at the end of the freshman year and/or at the end of the third semester, depending upon the date of the application.

To be eligible for the Bachelor's Degree from Salisbury State College the final thirty semester hours credit in the senior year must be earned at this institution. This requirement may be reduced in the case of students who earlier graduated from two years of three year programs at any of the former Maryland State Normal Schools, or in the case of other students with approval of the College President.

Credit Exchange Program

Any full-time undergraduate student, except freshmen, at Salisbury State College may enroll in courses at University of Maryland Eastern Shore, and receive at full value credit earned for such courses provided approval is received from the Academic Deans of both institutions. Full-time students participating in this exchange program pay no additional tuition or fees and credit earned is considered residence credit.

COOPERATIVE PROGRAM

'Full time students at any of the six State Colleges of Maryland may generally receive full value for credits earned in courses taken at any of the other institutions under the cooperative program. Such credits are considered residence credits by the receiving institution and, when applicable, may count toward program requirements at Salisbury State College.

CREDIT BY EXAMINATION

Salisbury State College has two formal policies regarding the recognition of college level work completed outside of the direct institutional auspices of the college. Both of these policies enable students with educational experiences above and beyond those normally characteristic of entering college students to demonstrate competence through examination, and thus gain credit for college level courses. Students who have acquired the knowledge and understanding normally gained through college classwork, may thus move more quickly towards graduation, towards graduate school, and towards productive involvement in our society.

A. Advanced Placement Program: The Advanced Placement Program of the College Entrance Examination Board is based on the belief that exceptional high school students can complete college level studies prior to entrance into college. Salisbury State College recognizes the advanced placement program by awarding college credit to participating students who score satisfactorily on the advanced placement examinations.

B. College Level Examination Program, (CLEP): The College Level Examination Program is designed to "help people gain recognition for what they know and can do, irrespective of how or where they learn it". Salisbury State College recognizes the college level examination program as consistent with its educational philosophy and objectives.

1. The General Examinations: Exceptionally experienced students who have been out of high school two or more years may qualify for as many as 24 semester hours of credit by achieving scores of 50 or more on the CLEP general examinations.

2. The Subject Examinations: Exceptional students who through extensive reading, correspondence courses, or other experiences have attained competence in college level subjects, may gain credit through one or more of the CLEP subject examinations. In accord with the recommendations of the council of college level examination program, Salisbury State College accepts as worthy of college credit the mean score achieved by students in the national norms sample who earned a grade of C in a regular college course in the subject. Provided similar course credit has not already been earned, a student may take any of 28 specified subject examinations and gain college credit from satisfactory scores.

Specific information regarding credit by examination or advanced placement may be obtained by writing to the Associate Director of Admissions, Salisbury State College.

HEALTH AND PHYSICAL FITNESS

All new students admitted to the college must present the Salisbury State College Health Evaluation Form, signed by a physician showing that the student meets acceptable standards of health and physical fitness. Such forms are made available to the student prior to his first enrollment in the college.

VETERAN STUDENTS

The Registrar's Office maintains close contact between the college and the Veterans Administration. Veterans planning to use educational benefits under any of the G.I. bills should first contact the Regional Office of the VA to initiate certificate of eligibility. The students attending under the auspices of the Veterans Administration should notify the Regional Office of any change in academic or personal status. Failure to do so will result in delayed payment.

Veterans must present a photostatic copy of their separation from active duty, form DD214, to the Office of the Director of Admissions at the time of admission.

SELECTIVE SERVICE REGISTRANTS

Male students who are registered with their local draft boards are responsible for completing SSS Form 109 at the beginning of the school year, and when discontinuing enrollment as full time students either through graduation or withdrawal from the college. Forms for these purposes are provided during the registration period in September and are available throughout the year from the Office of the Registrar. It is the student's responsibility to complete all forms required by the Selected Service System.

AIR FORCE RESERVE OFFICER TRAINING CORPS

Through arrangements with the University of Maryland, Eastern Shore and the United States Air Force, students at Salisbury State College may enroll in the AFROTC and, upon completion of the prescribed course, become commissioned officers in the Air Force at graduation. This program is offered at the University of Maryland, Eastern Shore, located 15 miles south of Salisbury at Princess Anne, and is available to both men and women students at the College through the cooperative program existing between the two institutions.

For students at Salisbury State College, the AFROTC program consists of an advanced professional course for officer candidates taken during the junior and senior years. Students completing the advanced course earn twelve hours credit and receive their commissions upon graduation.

Evaluation of candidates seeking to qualify for the advanced program is begun during the first semester of the sophomore year. To qualify for this program, students must earn satisfactory scores on the Air Force Officer Qualifying Test and also meet physical standards

established by the Air Force. After completion of the sophomore year, those who qualify attend summer camp at a designated Air Force base for a period of six weeks. All students enrolled in the advanced program receive a stipend of $100.00 per month during the academic year, and additional payment while in attendance at summer camp. Also, a limited number of AFROTC scholarships are available to selected cadets on a competitive basis.

Students selected for enrollment or continuance in the advanced phase of the AFROTC program will be deferred from induction until after graduation in accordance with provisions of the Selective Service Act of 1948, as amended by the University Military Training and Service Act of 1951. This deferment may be granted by authorization of the professor of aero-space studies.

Complete information on the program may be obtained from the AFROTC Department at the University of Maryland, Eastern Shore.

COLLEGE EXPENSES AND STUDENT AID

	1st Semester	2nd Semester	Total
Tuition, Maryland Residents	$100.00	$100.00	$200.00
Tuition, Out-of-State	275.00	275.00	550.00
Room			
Choptank Hall	245.00	245.00	490.00
Nanticoke Hall	235.00	235.00	470.00
Manokin, Pocomoke & Wicomico Halls	225.00	225.00	450.00
Holloway Hall	215.00	215.00	430.00
Board	270.00	270.00	540.00
Student Activities Fee	30.00	-	30.00
Athletic Fee	40.00	-	40.00
College Center Fee	80.00	-	80.00
Curriculum Fee	32.50	32.50	65.00
Registration Fee	10.00	10.00	20.00
Totals: Maryland Residents*	787.50	637.50	1,425.00
Out-of-State Residents*	962.50	812.50	1,775.00
Day Students- Residents of Maryland	292.50	142.50	435.00

* Total fees based on $450.00 fee for room.

Note: Fees may be changed and new ones established at any time by action of the Board of Trustees.

Tuition Undergraduate students who are Maryland residents pay a tuition fee of $200.00 for the academic year. Tuition for out-of-state undergraduate students is $550.00 for the year.

Tuition for auditors, part-time and special students is charged at the rate of $25.00 per semester hour for undergraduate credit, and $35.00 per semester hour for graduate credit. Students in these categories pay the regular registration fee of $10.00 per semester, and out-of-state students pay an additional fee of $15.00 at the beginning of each semester.

Room and Board Students residing in the college dormitories pay a total room and board fee for the academic year as follows: Choptank Hall $1,030.00, Nanticoke Hall $1,010.00, Manokin, Pocomoke and Wicomico Halls $990.00, and Holloway Hall $970.00. Students living on-campus must pay for both room and board. Students living off-campus may obtain meals at the college dining hall as needed through payment for each meal. Slight increases may occur in both room and board in the 1973-1974 academic year.

Those who have made reservations for dormitory rooms must claim their rooms no later than the evening of the date assigned for their registration at the beginning of the semester. Students arriving after this date and wishing to hold their room reservations may do so by notifying the office of the Director of Housing no later than the day on which their registration is scheduled.

Student Activities Fee A fee of $30.00 per academic year is paid by all full-time students to meet expenses in connection with class social functions, Student publications, dramatic productions, and other duly authorized student activities during the academic year.

Athletic Fee Full-time students pay an athletic fee of $40.00 per academic year. Funds from this fee are assigned to the Department of Health and Physical Education and are used in implementing a well rounded athletic program at the college. Athletic fees contribute toward meeting expenses incurred in the purchase of consumable supplies for varsity and intramural sports as well as classroom equipment, the transportation of athletic teams, payment for athletic officials, and numerous other services.

College Center Fee A fee of $80.00 per academic year is paid by all full-time students. A fee of $5.00 per semester is paid by all part-time, graduate and summer session students.

Curriculum Fee A curriculum fee of $65.00 per academic year is charged all regularly enrolled full-time students for materials and supplies used in classroom instruction.

Registration Fee A fee of $10.00 per semester is paid by all students for registration at the college. Students registering or preregistering after the designated time pay a $5.00 late registration fee.

Graduation Fee Prior to graduation, degree candidates pay a fee of $10.00 for the Bachelor's Degree and $25.00 for the Master's Degree to meet expenses incurred in the printing of diplomas and rental of caps and gowns.

Graduate Program Fees Students in the graduate program who are Maryland residents pay a tuition charge of $35.00 per credit hour plus the customary registration fee of $10.00 per semester. Out-of-state students enrolling for graduate credit pay an additional flat fee of $15.00.

Books and Supplies Books and classroom supplies may be purchased at the college bookstore, maintained for the convenience of students. Expenses will vary with the cost of books and other materials required for particular courses but will not ordinarily exceed an estimated maximum of $75.00 per semester.

Student Linen Service For a moderate fee, resident students, at their option, may contract with the Student Linen Service for the provision of two sheets, one pillow case, and three bath towels each week throughout the academic year.

Motor Vehicle Registration Students who operate vehicles on the college campus must register these vehicles with the College at the time of course registration.

Student Accident and Sickness Plan The college sponsors a comprehensive accident and sickness insurance plan covering on a 24 hour 12 month basis. The insurance applies to accidents and sicknesses occurring while at College, at home or elsewhere. The plan is entirely voluntary.

Details of the insurance are fully explained in a brochure which will be mailed to all students.

ADVANCE PAYMENTS

Two non-refundable fees are paid in advance by candidates seeking admission to the college. The first is an application fee of $10.00 which must accompany each application for admission. After receipt, the admissions office processes the application and informs the applicant of his status regarding admission. Notification of acceptance by the College is accompanied by a bill for the second advance payment, amounting to $50.00 and payable immediately. The second advance payment will be applied toward payment of total fees due on registration day. Payment of this charge assures the applicant of placement in the appropriate class at the time of entry, pending receipt of satisfactory final grades. Advance payments should be by check or money order payable to Salisbury State College. The amount due at registration for the initial semester is thus reduced by $50.00 by virtue of the second advance payment.

ADVANCE HOUSING DEPOSIT

An advance room reservation deposit of $60.00 is required of students living in residence halls in order to guarantee a room reservation for the next academic year. The advanced payment will be applied to the total room fee for that academic year.

The advance housing deposit shall be paid to the College no later than March 15th of each year to assure a room reservation for the next academic year.

Students may cancel room reservations by notifying the office of the Director of Housing in writing prior to June 1 and the advance deposit will be refunded. Refunds will not be made after the June 1 deadline.

PAYMENTS TO THE COLLEGE

Payments to the College for student fees are due and must be paid, each semester, by the time of registration for that semester. Payments should be made by check or money order payable to Salisbury State College. No student may complete his registration unless all charges due at registration have been paid in full.

REFUNDS ON WITHDRAWAL

To receive a refund of fees paid to the College, a withdrawing student must submit a completed official withdrawal card to the Office of the Registrar. Refunds are computed on the basis of the date on which the withdrawal card is filed with the Registrar, and students failing to comply with the regulation forfeit all rights to refunds. Students leaving the College or the dormitory at the request of the administration also forfeit their rights to refunds.

TIMING FOR REFUNDS

Prior to registration and before classes start, all tuition and fees except the application/registration fees and room deposit, when applicable, will be refunded to the student.

Prior to the fifteenth calendar day after the official beginning of classes at the college, 100 percent of tuition, less a $10.00 administrative cost fee will be refunded.

Beginning with the fifteenth calendar day after the official beginning of classes at the college to mid-semester, as shown on the college calendar, 50 percent of tuition, less a $10.00 administrative cost fee, will be refunded.

After registration and the start of classes, all other fees will be non refundable except for board which will be pro-rated, plus one week up to mid-semester. No refund for board will be made after mid-semester. Key deposits will be refunded 100 percent.

Students who register for a full schedule and drop courses after the start of classes are not entitled to refunds based on credit hour charges.

LOANS AND SCHOLARSHIPS

Financial assistance is available to students through loans, grants-in-aid, scholarships, work-study programs, and on-campus and off-campus employment. This assistance is awarded on the basis of

financial need and academic achievement. Students are encouraged to make inquiries about financial aid when making application for admission to the college.

AAUW Scholarship The Salisbury Branch of the American Association of University Women offers one scholarship in the amount of $150.00 annually to a junior or senior woman attending Salisbury State College. The student must reside on the Eastern Shore of Maryland and should evidence financial need. Applications may be secured from the office of the Financial Aid Officer.

Delta Kappa Gamma Scholarship One scholarship of $150.00 is awarded each year to a high school girl desiring to prepare for elementary or secondary school teaching at Salisbury State College. Students who receive this one year scholarship must reapply for continuation of the grant.

Educational Opportunity Grants Federal grants are available to qualified students showing financial need. Such grants are matched in an equal amount by some other form of aid and are made on the basis of the student's application for financial aid. Forms may be secured from the office of the Financial Aid Officer.

Kiwanis Education Loan The Salisbury Kiwanis Club has established a loan fund for students from Wicomico County. A maximum of $350.00 per year at low interest is available. Inquiries should be directed to the President of the Salisbury Kiwanis Club.

Edna M Marshall Memorial Fund This fund provides low interest loans of up to four hundred dollars to students of at least sophomore standing. Applications and information may be obtained from the Financial Aid Officer.

Maryland Higher Education Loans Students enrolled or accepted for enrollment may obtain low interest insured loans from private lending institutions. Applications may be secured from the office of the Financial Aid Officer and should be forwarded directly to participating lending institutions.

National Defense Student Loan Program. This program provides low interest loans from the federal government for students who have established financial need through Salisbury State College and either the parents' or students' confidential statement inquiries should be addressed to the Financial Aid Officer.

Richardson Scholarship The Lloyd A. Richardson Foundation of Salisbury, Maryland has established a scholarship fund for students attending the College from Wicomico, Worcester, and Somerset Counties. The fund is administered by the Financial Aid Officer and awards are granted to qualified applicants on the basis of need and academic ability, depending on the amount of funds available.

Salisbury Rotary Club Loan Fund The Salisbury Rotary Club maintains a fund from which qualified students from Wicomico County may borrow to assist in financing their college education. Inquiries should be directed to the President of the Salisbury Rotary Club.

SICO Foundation Scholarship The Sico Foundation of Mount Joy, Pennsylvania, provides four-year scholarships, each in the amount of $300.00 per year, To entering freshment who are legal residents of Cecil County, Maryland, and majoring in elementary education. Details may be obtained from guidance counselors of Cecil County High Schools.

STUDENT EMPLOYMENT

A limited number of part-time positions on the campus are available for students. Those assigned to such posititons must be able to continue their normal academic loads and maintain satisfactory progress toward graduation. Applications for employment may be obtained from the office of the Financial Aid Officer.

Off-campus employment opportunities are also available within the Salisbury area. The local business community makes frequent requests for student help and students desiring such employment should contact the Financial Aid Officer.

ACADEMIC REGULATIONS

GRADING SYSTEM

The following grades are used to indicate a student's achievement in individual courses:

A - Excellent
B - Good
C - Satisfactory
D - Poor
N - No Credit
I - Incomplete
P - Pass (For courses taken on a pass/no credit basis only)

A student has the opportunity to drop or add courses up to one week following registration. Any course for which the student is registered at the end of the drop-add period shall become a part of the student's record. Following this drop-add period, the symbol N shall be recorded for any registered course in which the student withdraws, drops or otherwise fails to successfully complete.

The symbol I, designating incomplete, indicates that completion of some requirement has been prevented by circumstances beyond the student's control. This symbol automatically becomes an N if the outstanding work is not made up prior to midsemester of the next

semester for which the student is enrolled. The student is responsible for completing this work and upon doing so will have the grade earned recorded on his permanent record.

The College seeks to encourage students to select courses from a broad variety of fields. During the junior and senior years, students may take certain non-required courses outside their major fields on a pass/no credit basis.* The symbols P and N, denoting credit and no credit, respectively, will be used for courses taken on the pass/no credit basis. A total of four courses may be taken under this arrangement and a maximum of one course per semester. If a junior or senior takes a course on a pass/no credit basis in a summer session it will apply toward the maximum total of four. At the time of registration, the student indicates what course he wishes to take on a pass/no credit basis. Changes of registration either to or from the pass/no credit system are permitted during a one-week period following registration.

CREDIT HOUR REQUIREMENTS FOR GRADUATION

Other than specific requirements in a student's major field of study the College requires the completion of 120 semester hours of course work with grades of A, B, C, or P. A course in which the grade of D or N is earned may not be included in this 120 hours. All programs leading to a Bachelor's Degree include the required number of hours in general education courses. A grade of D earned in any one of these courses shall satisfy that course requirement. Except in rare cases the college expects a full-time student to complete all requirements for graduation in eight semesters.

CLASSIFICATION OF STUDENTS

Students shall be classified by class according to the number of semester hours completed with grades of A, B, C, or P as follows:

	Semester Hours
Freshman	0 - 24
Sophomore	25 - 54
Junior	55 - 86
Senior	87 and above

Students shall also be classified as full-time, part-time, or special as follows:

Full-time. Students who are matriculated for degree and are enrolled in 12 or more semester hours after the drop-add (one week after registration) period shall be classified full-time students during that semester. Incoming freshman and transfer students shall be allowed to register as full-time students their first semester. A

*Exceptions are Education 309, 401, 410 and Physical Education 105, 106, 205, 206. These courses are offered on a credit/no credit basis only.

student shall lose the privilege to register as a full-time student if he has been academically dismissed in the previous semester. Privileges of a full-time student shall include assessment of fees on a semester basis and priority in class registration.

Part-time. Students who are matriculated for degree and are enrolled in fewer than 12 semester hours after the drop-add period shall be classified as part-time students. A student may register as a part-time student provided he has not been academically dismissed in previous semester. Part-time students may not live in the dormitories, may not participate in varsity sports, and will have their fees assessed on a per-credit basis.

Special. Students who are not matriculated for degree shall be classified as special. Special students may not live in dormitories, may not participate in varsity sports, and will have their fees assessed on a per-credit basis. Special students are admitted on a semester by semester basis.

ACADEMIC DISMISSAL

In each semester as a full-time student at Salisbury State College other than the first, a student must earn a minimum of six semester hours of A, B, C, or P credit in order to continue college. In addition, the following chart indicates the minimum number of semester hours of A, B, C, or P credit required at the end of each semester as a full-time student for continuation in College:

Semester	Minimum Hours For Continuation	A	B
1	3	9	15
2	12	24	30
3	27	39	45
4	42	54	60
5	57	70	75
6	72	86	90
7	88	102	105
8	104		

Students who fail to meet the minimum requirements for continuation in college shall be academically dismissed. A student who is academically dismissed may petition the admissions committee for readmission. In no case will the student be readmitted as a full-time student for at least one semester following his dismissal. Students desiring readmission may use the summer school program as a means to attempt to improve their academic standing.

Column A of the chart on page represents minimal progress toward the completion of the 120 hours in eight semesters as a full-time student. Students whose progress falls below this level are advised to consider summer school as a means to attempt to improve their academic standing. Column B is simply an even distribution of the 120 hours over an eight semester period.

Part-time and special students, who, in the judgment of the

Academic Dean are not making reasonable progress in their studies at Salisbury State College shall be academically dismissed.

WITHDRAWAL FROM COLLEGE IN GOOD STANDING

The College recognizes that extraordinary circumstances may occasionally necessitate a student's withdrawal from college. Good standing shall mean that a student stands a reasonable chance of fulfilling the requirements for continuation by the end of the semester. A student's good standing shall be judged by the Academic Dean on the basis of the individual evaluations by the student's instructors. The Academic Dean shall also judge the legitimacy of the student's reason for withdrawal. It shall be the responsibility of the student to obtain the official judgment of the Academic Dean before the end of the semester in which he wishes to withdraw. In case no judgment is obtained or in case the circumstances are judged insufficient for withdrawal in good standing the student shall be academically dismissed. In case a student is allowed to withdraw in good standing an official statement to this effect shall be placed on the student's transcript. A student who withdraws in good standing is eligible to continue enrollment at the College beginning with any semester or summer session following withdrawal, subject to the general regulations of the College and deadlines of the Admissions Office for filing applications.

REPEATING A COURSE

There are certain courses in the catalog which may be repeated for credit. With the exception of these courses a student may not repeat for credit any course in which he has earned a grade of A, B, C, or P.

COURSE LOAD

The normal course load for students is fifteen semester hours per semester. No student may carry more than eighteen semester hours without approval of the Academic Dean. Approval shall be based on the student's performance in previous semester.

FACULTY ADVISING

For the purpose of evaluating the student's progress, faculty members assess the quality of work being done by each student in their classes at a designated point during the semester and report to the Academic Dean those who have achieved less than a grade of C. Each student so reported is advised of his status in the particular class and is urged to discuss with his instructor and his academic advisor the possible means of improving his work during the remainder of the semester. Freshmen are advised twice during the first semester, at the end of the fifth week and at the end of the tenth week. All other students are advised at midsemester. A copy of the midsemester of tenth week report is sent to the parents of students under 21 years of age. The purpose of this report is to acquaint the parents with the scholastic regulations of the College and to keep them informed of

their son's or daughter's progress. These grades are not recorded and represent only a tentative evaluation of the student's progress to that point.

GRADUATION WITH HONORS

In order to encourage and recognize academic excellence at Salisbury State College, the following procedure has been instituted so that the Bachelor's Degree may be earned with honors:

To receive a Bachelor's Degree with honors, a student must have completed the last sixty semester hours at Salisbury State College with the following cumulative grade point average at Salisbury State College:

3.75 to 4.00 summa cum laude (with highest honors) 3.50 to 3.74 magna cum laude (with high honors) 3.25 to 3.49 cum laude (with honors)

Transfer students must have, in addition, an average of 3.25 or better at institutions previously attended. All honors candidates must have completed at least fifty semester hours of advanced credit (300 level or above). In order to be considered for graduation with honors, all requirements for graduation must be met within a time limit of five academic years.

GENERAL REGULATIONS GOVERNING REGISTRATION

Students preregister and register during the period indicated in the calendar or pay a late registration fee. No student will be permitted to enroll for a full-time program after the first week of classes and no student will receive credit for a course in which he is not properly registered.

After the first week following registration, course additions are not permitted. The college reserves the right to discontinue any course or section thereof in which there is insufficient enrollment. Forms for official withdrawal are available in the office of the Academic Dean. Official withdrawal becomes effective on the date the official withdrawal is filed with the registrar. Each student should follow the College catalog and be guided by the academic regulations and requirements. Faculty advisors are available for counsel, but the responsibility for satisfying degree requirements rests with the student. If a student is in doubt about any matter related to his program, he should consult his faculty advisor or the Academic Dean.

APPLICATION FOR ADMISSION TO THE TEACHER EDUCATION PROGRAM

For students in the Teacher Education Program, academic progress and personal qualifications are reviewed during the fourth semester of matriculation to determine eligibility for admission to the professional program of the teacher education curriculum. The professional program is ordinarily begun at the start of the Junior year. Application

forms for admission to the program are available in the office of the Director of Teacher Education and should be filed during the final semester of the sophomore year.

A student is qualified to enter the professional program when (1) requirements in general education have been fulfilled; (2) the cumulative grade point average is 2.0 or above, (3) the grade point average in the major is 2.0 or above, (4) there are no failing grades in the required courses.

The student is not admitted to student teaching if he has failures in required courses and/or a cumulative average below 2.0.

UNDERGRADUATE AND GRADUATE RECORD EXAMINATIONS

All seniors are required to take the undergraduate record examinations field tests or the graduate record examinations in fulfillment of degree requirements. For the convenience of those seniors wishing to qualify for admission to graduate school, arrangements have been made for Salisbury State College to serve as a national graduate record examinations center for the December February and June testings.

APPLICATION FOR DEGREES

All Candidates for the degree must, at the beginning of the final semester, make application on the appropriate form to the registrar and pay the required fee. A new application must be completed when a student finds it is necessary to postpone graduation.

CLASS ATTENDANCE

The college regards the classroom as the center of college life. Students are expected, accordingly, to attend classes with regularity. The attendance policy is published in the student handbook.

CHANGE OF CURRICULUM AND MAJOR SUBJECT

Students who wish to change their curriculum or academic major may do so by executing the appropriate authorization card which is available in the Registrar's Office. It is the responsibility of the student to meet all requirements necessitated by such changes in his program.

LENGTH OF ATTENDANCE

Only in unusual cases may a student remain as a full-time undergraduate student longer than eight semesters. Request for deviation from this plan must be submitted to the Committee on Admissions a month prior to the end of the semester.

WITHDRAWAL FROM COLLEGE

Any student who finds it necessary to withdraw from College during any period of instruction must secure a withdrawal card from the

Registrar, secure the signature of the Academic Dean, the Dean of Students or Associate Dean of Students, the Academic Advisors and a parent or guardian if the student is under twenty-one years of age. When the student has signed this withdrawal card and filed it with the Registrar, the Business Office will be notified. Students residing in dormitories will be held responsible for checking out with the Supervisor of Residence. A student failing to execute properly the official withdrawal card will forfeit the right to refunds.

TRANSCRIPTS

Transcripts of a students' record will be sent to other educational institutions and organizations only upon written request of the student concerned. One transcript will be issued free of charge. A fee of $1.00 will be charged for subsequent copies of the student's scholastic record. The fee must be paid before the transcript is issued. Official transcripts are not issued to the individual student or graduate. All financial obligations to the college must be met before a transcript is issued.

STUDENT LIFE AND ACTIVITIES

ORIENTATION

During the first week of the fall semester, the College sponsors an orientation program to familiarize new students with their new environment. Designed to assist these students in adjusting to the responsibilities of college life, the program provides opportunities for meetings and informal discussion both with student leaders and members of the College staff. Emphasis is placed on acquainting the student with the resources of the college and on guidance toward optimum use of the facilities available. A placement testing program to assist students in selecting appropriate courses is available in certain academic areas.

In the process of orientation, the student gains a better understanding of the objectives and traditions of the college, and also a new awareness of his obligations to himself and to the college. The major objective of the program is to encourage each student to commit himself to maximum use of his own capacities with the goal of realizing the full potential of his educational opportunity.

During orientation, each student is assigned a faculty advisor who assists the student in planning his program of courses and in other academic matters. Personal counseling is available when desired through the office of the Director of Counseling Services and/or the office of the Dean of Students.

HONORS

Each year during the spring semester, an honors convocation or banquet is held at which time public recognition is given to students who have distinguished themselves academically and to those who have made outstanding contributions in extracurricular affairs.

DORMITORY ACCOMMODATIONS

The College maintains residence hall facilities for both men and women. These residence halls, under the direction of a Supervisor of Residence and student assistants, are open to students enrolled for an academic load of twelve or more hours, whose place of residence is in conformity with the policy regarding housing established by the Board of Trustees of the State Colleges of Maryland.

The following is the policy statement issued by the Board of Trustees:

A student living within a twenty-mile radius of a State College shall not be granted residence hall accommodations at the college until the demand for residence hall accommodations of students living beyond a twenty-mile radius has been met.

HEALTH SERVICES

Recognizing that good health is essential to proper student performance, the College maintains a health service for the benefit of all students. Prior to admission to the college, each student is required to submit a medical report from his family physician. This report should include a complete medical history so that the College physician will have access to accurate information before and during treatment of students.

Medical advice and treatment of minor illnesses are available through a well-equipped college infirmary. Emergency treatment is available at all times. The professional staff, including a physician and nurses, maintains regular office hours on-campus and is on call at all times.

The College Health Service does not provide for continuous treatment of acute illnesses, severe chronic diseases or for cases requiring the attention of medical specialists, nor does the college assume financial responsibility for their treatment. In the event of serious injuries, contagious diseases, or acute illnesses, parents are advised to arrange for the care of the student until his recovery. Students are urged to take advantage of the group plan for accident insurance since the college is not legally responsible for accidental injuries or medical expenses resulting therefrom. Details on the group insurance plan are available on request to the Dean of Students (See page 37).

STUDENT PLACEMENT SERVICE

The Placement Office, located in room 107, Holloway Hall, maintains regular office hours from 8:30 a.m. - 4:30 p.m. Monday through Friday.

The service acts as an intermediary agency through which graduating students may be assisted with respect to their employment goals, problems and needs; and provides a service to employers that will enable them to be brought into contact with qualified students. The service also aids all students seeking part-time and/or summer employment off-campus.

MOTOR VEHICLES

The College extends the privilege of driving and parking motor vehicles on the College campus to all students except resident freshmen. In return for this privilege, each student assumes the obligation of abiding by the rules and regulations of the college governing the use of motor vehicles on the campus.

All motor vehicles operated by students on the campus must be registered with the College and must display the decal issued at the time of registration. The College assumes no responsibility for the care and/or protection of any student's vehicle or its contents.

STUDENT ACTIVITIES AND ORGANIZATIONS

Student Government Association The major student organization on the campus is the SGA, the Student Government Association, which supports and finances the major interest groups of the students. It is the official representative agency of the student body and every full-time student, by the payment of his student activity fee, becomes a member. The student activity fee entitles each member to receive copies of campus publications, and free admission to many campus events sponsored by SGA organizations. All organizations and facilities of the campus community operate for the benefit of both day and resident students. More detailed information concerning the SGA is found in the appendix of the current student handbook.

Men's Athletic Association The Men's Athletic Association is the organization which sponsors the sports program for men in the college. Its membership consists of all full-time male students, and it is under the supervision of the Physical Education Department.

The intercollegiate athletic program includes: Fall - cross-country, football, soccer, Winter - basketball, wrestling, track (indoor), Spring - baseball, crew, golf, tennis and track. Plans are being made to include lacrosse, swimming, and gymnastics. Salisbury State is a member of the N.A.I.A. (National Association of Intercollegiate Athletics), Delaware Valley Conference, and the Southern Intercollegiate Rowing Association.

The intramural program includes: Fall - touch football, cross-country, tennis, bowling, place-kick, Winter - 3 man basketball, bowling, foul-shooting, 5 man basketball, ping-pong team, Spring - tennis, softball, horseshoes, volleyball, frisbee contest, bowling. Also includes supervision of an open gymnasium for all students, 2 hours nightly, and bicycle and a wide variety of sports equipment check-out

available. Awards are made for all intramural champion teams and individuals and participation awards.

Women's Athletic Association Every full-time woman student becomes a member of the Women's Athletic Association upon registration. The purpose of the organization is to provide a variety of athletic and recreational activities for women, under the management of the students with the guidance of the Physical Education Department, to plan and direct varsity and intramural sports, special events such as Sports Day with other colleges, and an annual Awards Nights, and to sponsor various sports clubs.

The Women's intercollegiate sports program includes field hockey, basketball, volleyball, lacrosse, softball, tennis and track and field.

A point system for participation and leadership in athletic and recreational activities is administered by the W.A.A., and a series of awards may be earned by any woman student who accumulates the specified number of points during her college career:

Circulo Quijote This organization was formed to provide an opportunity for advanced study of various aspects of Spanish culture. Knowledge of the Spanish language is not required for membership.

College Chorus Membership in the College Chorus is open to all students interested in singing. Informal audition will place a student in the proper section. Repertoire is selected from all musical styles and periods, including the contemporary popular idiom. When the size of the group permits, small ensembles are drawn from the mixed chorus. The organization performs annually on campus and for community and civic organizations on the Delmarva Peninsula. One semester hour credit is earned for each semester of satisfactory membership.

College Players The College Players is the organization for students interested in working in the theatre. It presents annually several productions, each of which is representative of some type of academic theatre.

Committee on Arts and Lectures The Committee of Arts and Lectures plans a program of public events covering the performing arts, a gallery series, and a lecture series.

The program is financed from the Student Activity Fee and by a stipend from the Operating Budget of the College.

Piecemeal - The campus yearbook, Piecemeal, is basically a pictorial record of the activities of the College. The staff compiles this record of students and events throughout the year, with work beginning during the previous spring.

Staff membership is open to all students who display continuing interest and are willing to work.

The yearbook is, essentially, funded by the Student Activities Fee and is a Fall publication.

French Club This organization provides an opportunity for social use of the French language and for additional contact with French culture.

Geographic Society The Geographic Society was organized in 1963 to stimulate interest in geography through discussion, lecture, research

and field trips beyond that which is available in the classroom. The Society provides tutorial service and presents programs of general nterest.

Membership is restricted to geography majors or students who have completed twelve (12) semester hours in geography. Students are notified of eligibility by the society.

The Informer, A student newspaper, attempts to acquaint students and faculty with campus activities, as well as provides student opinion on the campus.

Staff appointments to The Informer are made through the publication editor and it is funded primarily through Student Activity Fees.

Modern Dance Club Organized for men and women by the Department of Physical Education, this group performs both on and off campus.

Phi Alpha Theta The Eta-Iota Chapter of the international honor society in history was established 1959 to serve the needs of those students who have maintained a high scholastic average and who are interested in the further study and teaching of history. Membership is restricted to Juniors and Seniors. Notification of eligibility is given by the organization to prospective members.

Photography Association At Salisbury State, interest in the various aspects of photography is centered in the Photography Association. The Association is maintained for members to develop their skills in the photographic art. On request, the Association serves all campus organizations in making photographic records of their major events.

Physical Education Major's Club (PEM Club) This club, open to all men and women students majoring in physical education, provides professional enrichment experiences. (inactive 1971-72, to be reorganized).

Religious Organizations Various denominational groups on campus provide opportunities for spiritual growth and religious activity. Local churches and synagogues welcome members of the College family and cooperation between the College and the Salisbury clergy meets the desires of students for maintaining religious associations within their chosen faith.

Student Activities Board The Student Activities Board of the SGA plans a balanced social activity program for the year and plans the social calendar which incorporates major campus dances, concerts, all-college affairs sponsored by organizations, informal dances, movies and other entertainment features.

The major dances are: the Homecoming Ball and the Spring Dance.

Student National Education Association The Student NEA is open to all students of the College. Its primary function is the presentation of programs concerning topics on education not ordinarily presented in classes. This Association is affiliated with the Student Maryland State Teachers Association and the Student National Education Association.

Student Academic Affairs Council This committee is appointed

annually by the SGA for the purpose of encouraging student involvement and responsibility in academic affairs. Its functions may include:
(1) Discussions among students of needed changes in Academic Programs;
(2) Serving when requested as an advisory panel to the Academic Dean; and
(3) Meeting with the Faculty Academic Council for the Purpose of exchange of ideas.

Instrumental Ensemble Membership in the Instrumental Ensemble is open to all students who have played a musical instrument (band or orchestra) prior to coming to SSC. Woodwind Ensemble, Brass Ensemble, or Combined Wind Ensemble are formed on the basis of the instrumentation available, and appropriate music of many styles is selected for each group. One semester hour of credit is earned for each semester of satisfactory membership.

Alpha Psi Omega The Sigma Omega Chapter of Alpha Psi Omega, national honorary dramatics fraternity, was initiated at Salisbury State College in 1967 and is dedicated to the furthering of the dramatic arts. Students of outstanding talents in all areas of theatre are invited to membership in the field of theatre.

Classes The Freshman, Sophomore, Junior, and Senior Classes meet at announced times for reports from their SGA Board Members and to conduct business that lies within the province of the class (e.g., election of officers, selection of class representatives for various campus events).

COLLEGE CURRICULA

DEGREE PROGRAMS

The College offers undergraduate programs leading to the Bachelor of Arts and Bachelor of Science Degrees. Requirements for graduation include satisfactory completion of one hundred twenty semester hours, forty-five semesters hours of which must be taken in prescribed general education courses. Students majoring in Elementary Education take sixty-seven semester hours of general education within the one hundred and twenty semester hours required for graduation.

The College also offers a graduate program leading to the Master of Education degree and the Master of Arts degree in History. Details of the graduate program may be found on pages 131-140.

GENERAL EDUCATION COURSES

All programs leading to the bachelor's degree include a minimum of forty-five semester hours in general education courses distributed as follows:

Group I - 15 hours

A. English 101, 102 (unless exempt), and three additional hours in English literature.

B. Art, Music, Speech, Philosophy, and Modern Languages (Excluding 101, 102, 111). Six hours from at least two departments.

Group II - 15 hours

A. History 101, 102 (unless exempt)

B. Economics, Human Geography, (excluding Physical Geography), History, Political Science, Psychology, Sociology: Nine hours selected from at least two of the Disciplines.

Group III - 12 hours

At least six hours from two natural sciences and the remainder from courses in the natural sciences, Mathematics and/or Physical geography.

Group IV - 3 hours

Physical Education and Health: At least 1 hour in activity courses.

Some departments have additional course requirements in general education for majors in their fields.

The student should familiarize himself with the exact requirements for a major in his chosen field of study

For example, the following specific courses in general education are required for majors in Elementary Education

Art 200, Applied Art	2
English 101-102, Composition & Literature	6
English Electives	6
Speech 100, Fundamentals of Speech	3
Mathematics 103, Fundamental Concepts I	3
Mathematics (104 or other)	3
Music 200, Fundamentals	2
Physical Education 2 hrs from 101, 102, 201, 202	2
Health 131, Basic Health	2
Psychology 201, General	3
Biology 111-112, General Biology	8
Science 201 or 202, Physical	3
Science Elective	3
History 101-102, World Civilizations	6
History 201 or 202, History of the United States	3
Social Science Elective	3

A typical four-year program for a major in Elementary Education is as follows:

Freshman

	Cr.		Cr.
English 101	3	English 102	3
Biology 111	4	Biology 112	4
History 101	3	History 102	3
Mathematics 103	3	Mathematics 104	3
P. E. 101	1	Art 200	2
Music 200	2	Elective	3
	16	P. E. 102	1
			19

Sophomore

English Elective	3	English Elective	3
Science 201 or 202	3	Science Elective	3
History 201 or 202	3	Social Science Elective	3
Geography 201	3	Health 102	2
P. E. 201	1	Psychology 201	3
Speech 100	3	Elective	3
	16	P. E. 202	1
			18

Junior

	Cr.		Cr.
Ed. 300 Development & Learning	3	Electives	15
Ed. 305 The School in Society	3		
Ed. 309 Pre-Teaching Public School Experience	1		
Ed. 310 Method in the Elementary School (Communication Arts)	2		
Ed. 311 Method in the Elementary School (Mathematics)	2		
Ed. 312 Method in the Elementary School (Science)	2		
Ed. 316 Reading in the Elementary School	3		
	16		

Senior

(Semesters Interchangeable-Fall and Spring)

			Cr.
Ed. 411 Instructional Analysis in the Elementary School	3	Electives (as needed or required to complete degree)	15
Ed. 401 Directed Teaching in the Elementary School	6		
Ed. 402 Directed Teaching in the Elementary School	6		

The following majors are offered within the College. Teacher certification is offered in all majors except those designated by an asterisk (*)

Biology	French
Business Administration*	Geography
Chemistry	History
Mathematics	Psychology*
Physical Education	Sociology*
Physical Science	Social Science
Economics*	Spanish
Elementary Education	Speech and Theatre
English	

Specific statements on degrees and requirements are listed under each department in the Courses of Instruction section.

DEGREE REQUIREMENTS

Faculty advisors assist students in planning their academic programs for each semester: but **final responsibility for meeting the requirements for graduation rests with the student.**

BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREES

To qualify for the Bachelor of Arts or Bachelor of Science degree, a student must meet the following requirements:

1. Satisfactory completion of a minimum of 120 semester hours of C or better work.
2. Satisfactory completion of the required number of semester hours of study in a major field of concentration with at least a 2.0 average.
3. Completion of at least 30 credit hours immediately preceding graduation at the College as a full-time or a part-time student.
4. Completion of the Undergraduate Record Examination, or in lieu thereof, the Graduate Record Examination.

COURSES OF INSTRUCTION

The following pages show the courses of instruction which are planned for Salisbury State College during the academic year of 1972-73. Courses are grouped under departmental headings arranged alphabetically. Each of the departmental listings includes general information on the program of the department and, where appropriate, the degree requirements for a major in that field. These requirements should be carefully noted when deciding one's major.

Credit toward graduation is figured in terms of semester hours, of which a minimum of 120 are required for the bachelor's degree. The credit value of each course is shown with the description of the course and is ordinarily determined by the number of class lecture hours per week. Laboratory work, required in connection with some courses, is generally assigned a credit value of one semester hour for each lab session per week.

Courses numbered in the 100's and 200's are planned primarily for freshmen and sophomores, while those in the 300's and 400's are generally for juniors and seniors. Special notice should be taken of prerequisites which may be required for advanced level courses. Courses at the 500 level may be taken for graduate credit only, and 400 level courses listed on pages 153-157 are available either for advanced undergraduate or graduate credit. The College reserves the right to withdraw any course for which there is insufficient enrollment.

ART

ASSISTANT PROFESSOR CARROLL (Chairman): ASSISTANT PROFESSOR KIMMEL, BURGESS: INSTRUCTOR EHRHARDT.

The Art curriculum is designed to function as an important part of both the Liberal Arts and the Teacher Education Programs of the College. Elective courses are offered which aim to increase the student's general appreciation of art and provide a means for personal expression.

100. HISTORY AND APPRECIATION **3 hours credit**

A brief survey of the arts from prehistoric times to the present, with emphasis on art appreciation. This course is intended primarily for students who do not plan to take additional courses in art history. **Three hours per week.**

101. DRAWING I **3 hours credit**

An introduction to basic drawing principles, using a combination of black and white media in the exploration of linear and tonal elements. **Six hours per week.**

102. TWO DIMENSIONAL DESIGN **3 hours credit**

An introduction to the basic elements of two-dimensional design, developing a knowledge and application of underlying principles of art. **Six hours per week.**

105. HISTORY SURVEY I **3 hours credit**

Art History Survey I. A survey of architecture, sculpture, painting, and the decorative arts from prehistoric times to the end of the Middle Ages. **Three hours per week.**

106. HISTORY SURVEY II **3 hours credit**

Art History Survey II. A survey of architecture, sculpture, painting, and the decorative arts from the Renaissance to the present. **Prerequisites:** Art 105. **Three hours per week.**

200. APPLIED ART **2 hours credit**

Practice in drawing and in using construction skills for developing creative art projects appropriate especially for elementary education. Various art tools and materials are used to develop basic skills in art expression. For Elementary Education majors only. **Three hours per week.**

201. PAINTING **3 hours credit**

An introduction to basic oil painting techniques, exploring color relations and the handling of painting materials. Students must furnish their own materials. Admission by consent of Instructor. **Six hours per week.**

202. PRINTMAKING **3 hours credit**

An introduction to basic fine art printing methods, exploring mono and polychromatic elements through various techniques. Students must furnish their own materials. Admission by consent of Instructor. **Six hours per week.**

209. HISTORY OF TWENTIETH CENTURY ART **3 hours cre**

A survey of architecture, sculpture, and painting in the twentieth century, with emphasis on contemporary art. **Prerequisites:** Art 100 or Art 106. **Three hours per week.**

210. WOODCARVING: BAS-RELIEF **2 hours credit**

A studio course to teach the knowledge and skills necessary for the creation of bas-relief sculpture. Students must supply their own materials. **Three hours per week.**

211. WOODCARVING: FREESTANDING **2 hours credit**

A studio course to teach the knowledge and skills necessary for the creation of freestanding sculpture. Students must furnish their own materials. **Three hours per week.**

215. CERAMICS I **2 hours credit**

Studio work using clays and glazes to create original pottery and

ceramic sculpture. Students must furnish their own materials. **Three hours per week.**

220. HISTORY OF AMERICAN ART **3 hours credit**

A general survey of American architecture, sculpture, painting, and decorative art from the colonial period to the present day. **Prerequisites:** Art 100 or Art 106. **Three hours per week.**

225. THREE-DIMENSIONAL DESIGN: **3 hours credit**

An introduction to the esthetic principles relating to three-dimensional form and space. The characteristics of various materials are explored. Students must furnish their own materials. **Six hours per week.**

230. DRAWING II: **3 hours credit**

An introduction to advanced mono- and polychromatic drawing techniques using wet and dry media. Students must furnish their own materials. **Prerequisite:** Art 101 or consent of Instructor. **Six hours per week.**

302. CRAFTS **2 hours credit**

Provides experience in the use of various types of art materials appropriate for designing recreational art activities. **Three hours per week.**

315. CERAMICS II: **2 hours credit**

An intermediate course to learn the skill of throwing on the potter's wheel and the technique of making molds for casting. Students must furnish their own materials. **Three hours per week.**

360. SCULPTURE: **3 hours credit**

A basic course to explore the expressive qualities of sculpture, using the subtractive and additive processes. Students must furnish their own supplies. **Prerequisite:** Art 225 or consent of Instructor. **Six hours per week.**

390. SPECIAL TOPICS IN STUDIO ART **3 hours credit**

A course to provide additional directed study in one or a combination of studio disciplines. Participation by invitation of Department. **Six hours per week.**

BIOLOGY

PROFESSORS HEDEEN, (Chairman), ESTES, VAN BREEMAN: ASSOCIATE PROFESSOR STANDAERT: ASSISTANT PROFESSORS RANSBOTTOM, WINGO, WOMACK, CUTCHER, SISTRUNK INSTRUCTORS DIGIOVANNA

Bachelor of Science requirements for a major in Biology include Biology 111-112, plus an additional 27 semester hours in Biology and at least 12 semester hours in related subjects selected with the approval of the department advisor. Related work is chosen in two of the following fields: Chemistry, Mathematics, and Physics. Students planning

graduate study in Biology or allied sciences are encouraged to take at least 12 semester hours of a foreign language.

Biology majors seeking certification for teaching Biology in the secondary schools meet the additional requirement of the following courses in Education: 300, 305, 306, 309, 336, 410, and 432.

111, 112. GENERAL BIOLOGY **4 hours credit each**

A study of the fundamental questions and concepts of Biology, from molecules to man. Biology 111 prerequisite for 112. **Three hours lecture and two hours laboratory per week.**

117. FUNDAMENTALS OF MICROBIOLOGY **3 hours credit**

General microbiology, including studies of pathogens, diseases and their control. Includes preparations, methods and procedures. Primarily for nursing students. **Two hours lecture and three hours laboratory per week.**

211. GENETICS **3 hours credit**

A study of the principles of heredity, including cellular and molecular genetics. **Prerequisite:** Biology 111 and 112. **Three hours per week.**

212. ECOLOGY **3 hours credit**

The relationships of living things to each other and to their environment. Research and field techniques are introduced. **Prerequisite:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week**

214. INVERTEBRATE ZOOLOGY **3 hours credit**

Primarily a study of aquatic animals, including diversification and adaptation of structure and functions, and comparisons of fresh water and marine organisms. **Prerequisite:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

215, 216. HUMAN ANATOMY AND PHYSIOLOGY
3 hours credit each

A comprehensive study of the structure and function of the body. **Prerequisite:** Biology 111, 112. Biology 215 is prerequisite for Biology 216. **Two hours lecture and three hours laboratory per week.**

217. NUTRITION **3 hours credit**

A foundation in the science of nutrition, including biological and biochemical backgrounds for the understanding of nutritional requirements. **Prerequisite:** Biology 111 and 112. **Three hours lecture per week.**

218. PARASITOLOGY **3 hours credit**

A study of the important parasites of man and domestic animals. **Two hours of lecture and three hours of laboratory per week. Prerequisites:** Biology 111 and 112.

311. MICROBIOLOGY **4 hours credit**

Study of microorganisms, especially bacteria, and including marine organisms. **Prerequisite:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

312. PLANT TAXONOMY **3 hours credit**

A course in the classification of plants, with emphasis on the local flora. **Prerequisite:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

313. COMPARATIVE ANATOMY **4 hours credit**

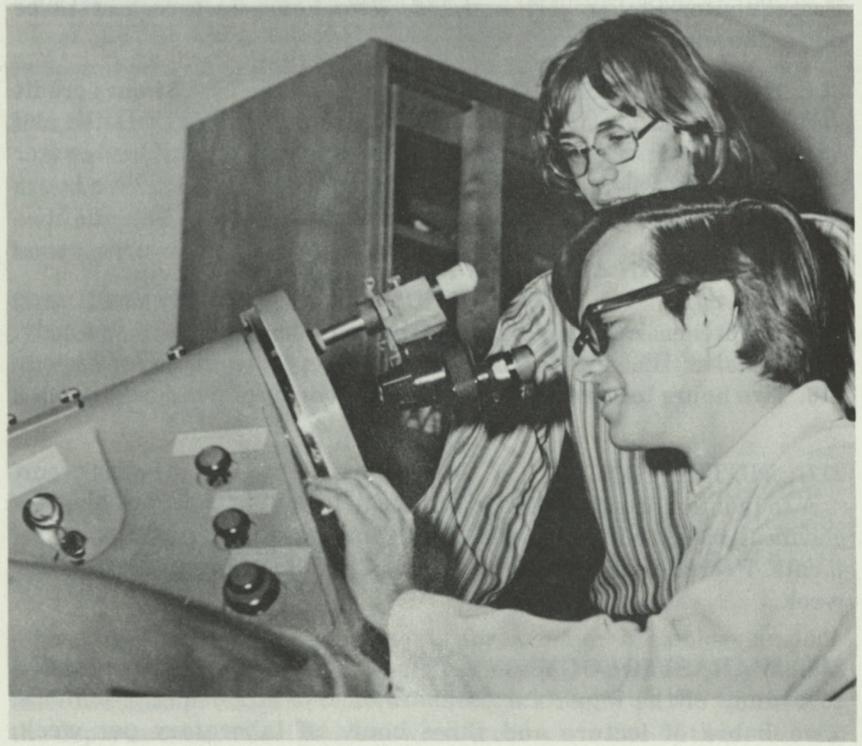
A study of the phylogenetic relationships and concepts of systems of selected vertebrates, land and marine. **Prerequisite:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

316. GENERAL ENTOMOLOGY **3 hours credit**

A study of representative life cycles of insects and identification of insects with special reference to those species of medical and economic importance to man. **Two hours lecture and three hours laboratory each week.**

320. BIOLOGY OF THE VERTEBRATES **3 hours credit**

The study of the classification and natural history of vertebrate animals. **Two hours lecture and three hours laboratory per week. Prerequisites:** Biology 111 and 112; Biology 313 or consent of Instructor.



325. PLANT ANATOMY **4 hours credit**

A study of plant structure, both gross and microscopic, with emphasis on higher plants. **Two hours lecture and four hours laboratory per week. Prerequisites:** Biology 111 and 112.

411. VERTEBRATE EMBRYOLOGY **4 hours credit**

A comparative study of the embryology of the vertebrate , including evolutionary relationships. **Prerequisite:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

412. ALGAE AND FUNGI **4 hours credit**

Study of the diversification and adaptation of lower plants, especially the algae and the fungi, including marine forms. **Prerequisite:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

413. HISTOTECHNIQUE **3 hours credit**

A course in the preparation of tissues for microscopy. **Prerequisite:** Biology 111 and 112. **One hour lecture and four hours laboratory per week.**

414. HISTOLOGY **4 hours credit**

Microscopic study of animal tissues, with functional interpretation. **Prerequisite:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

415, 416. RESEARCH IN BIOLOGY **3 hours credit**

Independent study in library and laboratory. **Prerequisite:** Biology 111 and 112 and consent of Instructor. **Hours to be arranged individually.**

417. HISTORY OF BIOLOGY **1 hour credit**

The history of experimentation and the development of major concepts. **Prerequisite:** Biology 111 and 112, **one hour per week.**

418, 419. BIOLOGY SEMINAR **1 hour credit each**

Journal and research reports by students and faculty lectures. **Prerequisite:** Biology 111 and 112. **One hour per week.**

422. GENERAL PHYSIOLOGY **3 hours credit**

Encompasses the underlying physical and chemical principles of vital activity. Basic mechanisms are emphasized. The laboratory will include techniques in physiological investigation. Consent of the Instructor is prerequisite to registration. **Prerequisite:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

423. ELECTRON MICROSCOPY **3 hours credit**

Introduction to the principles and techniques of electron miscroscopy in Biology, including tissue fixation, embedding, ultramicrotomy, microscopy and photography. **Prerequisite:** Biology 111 and 112, and consent of the Instructor. **Two hours lecture and three hours laboratory per week.**

430. PLANT PHYSIOLOGY **4 hours credit**

Advanced study of the physiological relationships of plants, with special reference to higher plants. **Prerequisites:** Biology 111 and 112, Biology 325. Eight to sixteen hours of Chemistry highly recommended. **Two hours lecture and four hours laboratory per week.**

435. CYTOLOGY **3 hours credit**

A discussion of the structure and function of the cell and its components. Laboratory work based on light microscopy and electron microscopy. **Two hours lecture, 3 hours laboratory per week. Prerequisites:** Biology 111 and 112.

501. MODERN CONCEPTS IN BIOLOGY **3 hours credit**

An advanced study of basic concepts of Biology, emphasizing areas of recent progress. **Prerequisite:** Biology 111 and 112. **Two hours lecture and two hours laboratory per week.**

502. BIOLOGY AND ENVIRONMENT **3 hours credit**

A study of organisms as integral parts of their environments, including field studies involving principles of taxonomy and ecology. **Prerequisite:** Biology 111 and 112. **Two hours lecture and two hours laboratory per week.**

599. SPACE BIOLOGY **6 hours credit**

Primarily concerned with physiology and problems related to the

support of life during space travel. Includes research methods, laboratory studies, and field trips. **Prerequisite:** Biology 111 and 112 and consent of Instructor. **Four hours lecture and six hours laboratory per week.**

BUSINESS ADMINISTRATION

PROFESSOR DURR (Chairman), BOWMAN, KNIPE, ASSISTANT PROFESSORS. CORALLINO. VON der OHE.

Bachelor of Science requirements for a major in Business Administration include satisfactory completion of not less than 24 hours in business courses, including BUAD 201-202, 203, 210, 405, and at least 15 hours of upper division electives in BUAD.

The following courses are also required for the business major, but do not count toward the 24 hours: Economics 201-202, 301 and mathematics 213.

Six hours credit toward the 24 hours will be given for the following electives: Economics 302 and 403.

201, 202. ACCOUNTING PRINCIPLES **3 hours credit each**

Fundamentals of accounting as applied to proprietorships, partnerships, and corporations. The recording process; construction, interpretation, and managements' use of financial statements. **Three hours per week.**

203. ORIENTATION TO BUSINESS MANAGEMENT **3 hours credit**

An inquiry into the problems of organization dynamics and the behavior of people, within and outside the business, with which management must deal in obtaining its objectives. **Three hours per week.**

210. COMPUTER TECHNIQUES **3 hours credit**

A study of computer "hardware" and "software" discussing programming and the application of the computer to the modern business scene. The course is designed to give the student the modern business "language." **Three hours per week.**

301. FINANCE MANAGEMENT **3 hours credit**

A study of financial problems of business concerns. Instruments and institution significant for financial management are studied. **Prerequisite:** BUAD 201, 202, 203. **Three hours per week.**

303. BUSINESS LAW **3 hours credit**

A study of the nature of contract and agency relationships and how they pertain to business associations, negotiable instruments and financing. Emphasis is upon the principles, rules, logic, and purpose of law.

Three hours per week.

304. INTERMEDIATE ACCOUNTING I. **3 hours credit**

Preparation and analysis of financial statements. Accounting theory, valuation of working capital, non-current assets and liabilities, valuation, revenue, and expenses. **Prerequisites:** BUAD 201-202. **Three hours per week.**

306. MANAGERIAL PROCESSES AND ORGANIZATION **3 hours credit**

An examination of the history and theory of the principles of business management and a study of the organization of the firm and for maximum effectiveness and economy of operation. **Prerequisite:** Business Administration 203. **Three hours per week.**

308. INTERMEDIATE ACCOUNTING II **3 hours credit**

A study of the financial structure of corporations, including the formation and continuation of operations with emphasis placed on the analysis and interpretation of accounting data. **Prerequisite:** Business Administration 201, 202 and 304. **Three hours per week.**

315. PRINCIPLES OF REAL ESTATE I **3 hours credit**

A discussion of the impact on society of the real estate industry and a study of property rights, instruments and methods of transference. Business Administration 203 recommended. **Three hours per week.**

316. PRINCIPLES OF REAL ESTATE II **3 hours credit**

A study of financing real estate transactions, mortgages and the interest rate. The business of real estate brokerage and property management. Property evaluation (appraisal) and real estate development. **Prerequisite:** Business Administration 315 and Business Administration 203 recommended. **Three hours per week.**

320. PRINCIPLES OF MANAGEMENT **3 hours credit**

General nature and functions of organization and management in American industry with analysis of underlying trends. **Prerequisite:** Business Administration 203. **Three hours per week.**

330. PRINCIPLES OF MARKETING **3 hours credit**

Study of consumers' organization and operation of marketing functions within the individual firm: Consideration of product policy, channels of distribution advertising and sales promotion. Personal selling pricing. Administration of the total marketing program. **Prerequisite:** Business Administration 203. **Three hours per week.**

335. INDUSTRIAL MANAGEMENT **3 hours credit**

Introduction to operating function in business through study of product planning, equipment planning, facilities planning, process analysis, inventory control. Above aspects viewed from the point of management: Emphasis on economics of operating problems. **Prerequisite:** Business Administration 203. **Three hours per week.**

340. AUDITING **3 hours credit**

Duties and responsibilities of auditors, methods of verification of

balance sheets and income and expense accounts with the applicable principles of internal control. Preparation of working papers, schedules, audit reports and certificates. **Prerequisite:** Business Administration 201 and 202. **Three hours per week.**

341. FEDERAL INCOME TAX ACCOUNTING **3 hours credit**

Individual preparation of income tax returns from accounts of an individual, exclusion and inclusion for gross income, capital gains and losses, business expenses and other deductions. **Three hours per week.**

401. COST ACCOUNTING **3 hours credit**

The three widely used systems of accounting: Process costs, job order costs, and standard costs. **Prerequisite:** BUAD 201-202. **Three hours per week.**

402. PRINCIPLES OF INVESTMENT AND SECURITY ANALYSIS **3 hours credit**

A study of financial problems of business concerns, Instruments and institutions significant for financial management are studied, including value of stocks and bonds, safety, income and marketability. **Prerequisite:** BUAD 201-202, 203. **Three hours per week.**

405. CONTEMPORARY BUSINESS PROBLEMS **3 hours credit**

A seminar designed to test the ability of the student to formulate business decisions. Emphasis is on relating the appropriate marketing, financial, and production information available to management. **Prerequisite:** Nine hours of upper-level BUAD credits or permission of the Instructor. **Three hours per week.**

406. MARKETING MANAGEMENT **3 hours credit**

An analysis approach to the study of marketing problems of business firms. Attention is focused on the influence of the marketplace, the industry structure, and the role of government. **Prerequisite:** BUAD 203. **Three hours per week.**

415. PERSONNEL MANAGEMENT **3 hours credit**

Solving the actual problems in organization of the personnel function: Recruitment, selection development and compensation of personnel, labor union relations, and development of personnel policy. **Prerequisite:** Business Administration 203 and 330 or permission of Instructor. **Three hours per week.**

CHEMISTRY
(See Physical Sciences)

ECONOMICS

PROFESSOR DURR (Chairman), BOWMAN, KNIPE, ASSISTANT PROFESSORS CORALLINO, VON der OHE.

Bachelor of Arts requirements for a major in Economics include Economics 201, 202, 303, 305, 404 plus fifteen semester hours of upper

division electives in Economics (BUAD 201-202 may be used to fulfill 6 hours of this requirement). Twelve hours in a foreign language are required.

Bachelor of Science requirements for a major in Economics include Economics 201, 202, 303, 305, 404 plus fifteen semester hours of upper division electives in Economics. Also required are 15 hours* to be chosen from the following: (A) 3-6 hours in computers, (B) 3-9 hours in Mathematics, (C) 6-9 hours in Social Sciences and humanities.

201, 202. PRINCIPLES **3 hours credit each**

A general analysis of the economic system, considering basic concepts and principles in the first semester and modern problems of the economic system in the second. **Prerequisite:** Sophomore standing or consent of Instructor. **Three hours per week.**

300. ECONOMIC HISTORY OF THE UNITED STATES **3 hours credit**

A study of the major developments in the American economy from the founding of colonies to the present day, with emphasis on the economic factors contributing to American industrial growth. **Prerequisite:** History 201, 202. **Three hours per week.**

301. MONEY AND BANKING **3 hours credit**

A study of financial institutions, economic aspects of commercial banking, monetary economics, and banking or fiscal policy. **Prerequisite:** Economics 201. **Three hours per week.**

302. LABOR ECONOMICS **3 hours credit**

Background and development of the labor movement, including current practices in industrial relations, collective bargaining, government and labor relations. **Prerequisite:** Economics 201. **Three hours per week.**

303. INTERMEDIATE THEORY (MICRO ECONOMICS) **3 hours credit**

A study of supply and demand relationships under the various market classifications. Major topics to be covered include the market forms, the principles of production, costs of production, resource allocation and income distribution with some discussion on welfare economics. **Prerequisite:** Economics 201-202. **Three hours per week.**

304. PUBLIC FINANCE **3 hours credit**

A study of the principles, techniques, and effects of obtaining and spending funds by governments, and the management of governmental debt. Taxes and expenditures of all levels of government in the United States are considered, as well as the national debt. **Prerequisite:** Economics 201. **Three hours per week.**

*These hours will be chosen with the permission of the Department.

305. INTERMEDIATE THEORY (MACRO ECONOMICS) **3 hours credit**

A study of the theory of economic aggregates through the use of national income accounts to determine the effect of certain key variables on employment and production. Key variables to be studied include savings and investment, the quantity of money, the velocity of money, the rate of interest and consumption. **Prerequisite:** Economics 201, 202. **Three hours per week.**

401. ECONOMIC THOUGHT **3 hours credit**

A survey of main trends in economic thought, showing their relation to current economic and social problems, with emphasis on readings from selected economists. **Prerequisite:** Economics 201-202. **Three hours per week.**

402.COMPARATIVE ECONOMIC SYSTEMS **3 hours credit**

A comparative study of contemporary economic systems in capitalist, socialist and communist societies. **Prerequisite:** Economics 201. **Three hours per week.**

403. INTERNATIONAL ECONOMICS **3 hours credit**

A study of the basic theory and major institutions of international economic relations; international trade and finance; barriers to trade and trade agreements; foreign investment; and foreign economic policy. **Prerequisite:** Economics 201. **Three hours per week.**

404. SENIOR SEMINAR IN CONTEMPORARY ECONOMIC PROBLEMS **3 hours credit**

A research seminar for economics majors where the student will spend the semester researching a problem of his own choosing and present a seminar paper. The seminar will also discuss the major problems facing the American and world economy. **Prerequisite:** Economics major or consent of Instructor. **Three hours per week.**

405. ECONOMIC DEVELOPMENT **3 hours credit**

A study of the theory of economic development and its application to the underdeveloped regions and countries of the world. Emphasis will be placed on the technological, locational and financial aspects of economic growth. **Prerequisite:** Economics 201-202. **Three hours per week.**

406. ECONOMICS OF POVERTY **3 hours credit**

This course is designed as an interdisciplinary one to better meet the needs of majors in economics, education and sociology. This course analyzes the various aspects or causes of poverty in conjunction with alternative "solutions" to minimize the problem with or without impinging on other social or economic goals. **Prerequisite:** Economics 201 or permission of the Instructor. **Three hours per week.**

410. THE AMERICAN ECONOMY **3 hours credit**

Analysis of the american economic structure with emphasis on fac-

tors affecting its growth and stability. (not open to students with credit in Economics 201 or its equivalent.) **Three hours per week.**

412. PROBLEMS IN AMERICAN ECONOMIC LIFE
3 hours credit

A workshop emphasizing practical economic issues to assist the average citizen in understanding and dealing with common problems of an economic nature, showing working relationships between citizen. consumer and institutions in american economic life. **Three hours per week.**

450. INDEPENDENT STUDY **3 hours credit**

Supervised study in an area of interest to the advanced study. **Prerequisites:** Junior or Senior standing in Economics or Business Administration.

460. RADICAL READINGS IN ECONOMICS AND RELATED SOCIAL SCIENCES **3 hours credit**

Selected readings designed to acquaint the student with past and current radical issues in Economics and related Social Sciences. **Prerequisites:** Junior or Senior standing majoring in one of the Social Sciences or consent of Instructor.

EDUCATION

PROFESSOR MASUCCI (Chairman), FLEMING, HALL, SCHECK; ASSOCIATE PROFESSOR BOZMAN, TALBOT, TYLER; ASSISTANT PROFESSORS MCBRIEN, SMITH, WHITE; INSTRUCTOR NARDI, NEWHOUSE.

Completion of a major in Elementary Education requires the student to follow a prescribed listing of general education courses and electives prior to entrance into the professional program of education.

The professional education courses to be completed by the major in Elementary Education are 300, 305, 309, 310, 311, 312, 316, 401, 402, and 411.

Students desiring the A.B.degree in Elementary Education must fulfill the requirements listed above and also complete twelve semester hours in a foreign language and the requirements for a major in one of the academic disciplines.

Students seeking certification for teaching in the secondary schools must select a major in one of the academic disciplines and meet the requirements prescribed by that department for its majors. These students must also take the following courses in Education; 300, 305, 306, 309, 410, 432 and one of the following; Education 331, 333, 334, 335, 336, 337, or 338.

300. DEVELOPMENT AND LEARNING **3 hours credit**

Physical, intellectual, emotional and social development from infancy through adolescence are considered. Attention is given to child development, motivation and learning with applications to educational situations. **Prerequisite:** Psychology 201. **Three hours per week.**

305. THE SCHOOL IN SOCIETY **3 hours credit**

An historical and sociological approach to the role of the school in society; Its chief functions at the elementary and secondary levels with attention to organization and administration in Maryland. **Three hours per week.**

306. PRINCIPLES OF SECONDARY EDUCATION
3 hours credit

Basic principles of teaching in secondary school. In addition to the objectives and curriculum of the high school, the course deals with principles of classroom management, discipline, and evaluation techniques. **Three hours per week.**

307. AUDIO-VISUAL MATERIALS AND METHODS
3 hours credit

The philosophy underlying the use of audio-visual aids in modern classroom procedures. Types of aids and their relation to units of work in the elementary and the high school curriculum. **Three hours per week.**

309. PRETEACHING PUBLIC SCHOOL EXPERIENCE
1 hour credit

A course designed to acquaint students preparing to teach, with public elementary or secondary school operation. (note: This course is designed to be given during the semester break following the Christmas vacation, for one week, each student being assigned to a school in his home town or community. pass/fail basis only.)

310. METHOD IN THE ELEMENTARY SCHOOL (Communication Arts) **2 hours credit**

The selection, organization and method of use of appropriate communication arts materials for the various grade levels in achieving the aims of the elementary school. Principles of child development and psychology are applied. **Two hours per week.**

311. METHOD IN THE ELEMENTARY SCHOOL (Mathematics) **2 hours credit**

The selection, organization and method of use of appropriate mathematics materials for the various grade levels in achieving the aims of the elementary school. Principles of child development and psychology are applied. **Two hours per week.**

312. METHOD IN THE ELEMENTARY SCHOOL (Science)
2 hours credit

The selection, organization and method of use of appropriate science

materials for the various grade levels in achieving the aims of the elementary school. Principles of child development and psychology are applied. **Two hours per week.**

316. READING IN THE ELEMENTARY SCHOOL 3 hours credit

A first course on how to teach reading, designed for undergraduates planning careers in teaching. Lectures and demonstrations survey differences among school entrants affecting teaching procedures and planning the reading program. **Three hours per week.**

331. PHYSICAL EDUCATION IN THE SECONDARY SCHOOL 3 hours credit

Analysis of the secondary school program in physical education, with emphasis on curriculum planning, use of space, facilities and equipment, class management, and lesson planning. **Three hours per week.**

333. ENGLISH IN THE SECONDARY SCHOOL 3 hours credit

A study of the subject matter and methods of teaching the language-centered curriculum. Various techniques and modes of curriculum construction are analyzed. **Three hours per week.**

334. SOCIAL STUDIES IN THE SECONDARY SCHOOL 3 hours credit

Analysis of the secondary school program in social studies; emphasis on methods of teaching History, Geography, and citizenship. Current curriculum trends are considered. **Three hours per week.**

335. MATHEMATICS IN THE SECONDARY SCHOOL 3 hours credit

Analysis of the secondary school program in mathematics; emphasis on methods of teaching mathematical concepts and understandings. Organization of teaching units, observation and evaluation of teaching in particular situations. **Three hours per week.**

336. SCIENCE IN THE SECONDARY SCHOOL 3 hours credit

An analysis of secondary school programs in Biology, Chemistry, and Physics and the science program of the junior high. Each student gives attention to preparing for teaching that science which is his major. **Three hours per week.**

337. FOREIGN LANGUAGE IN THE SECONDARY SCHOOL 3 hours credit

An understanding of the philosophy, aims and methods of teaching foreign language in the secondary school with emphasis upon the techniques and materials in current use. **Three hours per week.**

338. SPEECH IN THE SECONDARY SCHOOL 3 hours credit

A study of the aims and methods of teaching speech in the secondary school. Consideration of textbooks and materials, as well as the organization of and participation in extra-curricular activities in speech. **Three hours per week.**

401, 402. DIRECTED TEACHING IN ELEMENTARY SCHOOL 6 hours credit each

Students are placed in directed teaching centers in nearby public elementary schools. They observe teaching, participate in work with children, teach, and participate in activities for which regularly employed teachers are responsible. Pass/fail basis only.

403, 404. DIRECTED TEACHING IN PHYSICAL EDUCATION 4 hours credit each

Directed student teaching experience in nearby public schools under the direction of the public school teacher and with supervision from the college staff. Four weeks in elementary P.E. teaching and 4 weeks in secondary P.E. teaching. Pass/fail.

405. THE LAW AND PUBLIC EDUCATION 3 hours credit

A study of school law which affects the teacher and the public school. The nature and scope of school law are considered as generally applied to the purposes and functions of the public school. **Three hours per week.**

406. PHILOSOPHY OF EDUCATION 3 hours credit

A study of major philosophies and their influence upon the development of educational thought. Students are encouraged to identify and develop a personal philosophy of education. **Three hours per week.**

407. APPLIED AUDIO-VISUAL METHODS IN TEACHING 3 hours credit

The special application of audio-visual methods in reaching lesson objectives. A study of research in teaching with audio-visual methods is explored and related to the application at hand. **Prerequisite:** Education 307 or permission of Instructor. **Three hours per week.**

408. CHILDREN'S LITERATURE 3 hours credit

A survey of some of the best material in various types of literature for pupils in grades one to nine inclusive. Reading interests of boys and girls and methods of presenting materials are considered. **Three hours per week.**

410. DIRECTED TEACHING IN SECONDARY SCHOOL 7 hours credit

Students are placed in directed teaching centers in nearby public secondary schools. They observe teaching, participate in work with students, teach, and participate in activities for which regularly employed teachers are responsible. Pass/fail basis only.

411. INSTRUCTIONAL ANALYSIS IN THE ELEMENTARY SCHOOL 3 hours credit

Students meet life-like problem-solving activities in simulated school situations. Involves video-taping, mini-teaching, interaction analysis, instructional planning and role playing. (Part of Elementary Block) **(Three hours daily before student teaching begins.)**

412. CURRICULUM AND METHODS IN ELEMENTARY SCHOOL PHYSICAL EDUCATION **3 hours credit**

Principles of curriculum construction, selection and organization of materials. Lesson planning and teaching methods. Survey of current trends. **Three hours per week. Prerequisites:** Admission to professional education program.

413. TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL **3 hours credit**

Selection, organization, presentation, and evaluation of social studies material in the elementary school. Consideration of recent theory and method in improving teaching of the social studies.

417. TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL **3 hours credit**

Analysis of current trends in language arts instruction in the elementary school with emphasis on both theory and methods. Materials and techniques are evaluated for the teaching of oral and written english and literature.

418. TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL **3 hours credit**

Selection, organization, presentation and evaluation of mathematics materials in the elementary school classroom. Emphasis on recent research in teaching and adapting programs of the new mathematics.

419. TEACHING MUSIC IN THE ELEMENTARY SCHOOL **3 hours credit**

Techniques for teaching music in the elementary school; study of the child voice; appropriate singing, listening, rhythmic, instrumental and creative activities; remedial work for poor singers, activities for musically talented children; comprehensive overview of music materials and their application to the elementary school curriculum. **Prerequisite:** Music 200, Fundamentals (or equivalent, or approval of Instructor.)

420. FOUNDATIONS OF READING INSTRUCTION **3 hours credit**

Developmental reading instruction intended for inservice teachers, supervisors and administrators. Lectures and demonstrations survey instructional goals, directed reading activities, word recognition and comprehension. **Three hours per week.**

421. THE TEACHING OF READING VOCABULARY **3 hours credit**

Identification, diagnosis and remediation of vocabulary problems in reading. Recommended for teachers, supervisors, and administrators. Lectures and demonstrations deal with two basic areas of vocabulary growth: (1) concept development, and (2) word recognition with careful attention to the teaching of phonics. **Three hours per week.**

422. READING IN THE SECONDARY SCHOOL **3 hours credit**

Development and evaluation of effective reading skills and habits,

especially in the subject content fields, and consideration of problems of content, organization, readability, and method in teaching reading at higher levels. **Three hours per week.**

425. THE LANGUAGE-CENTERED ENGLISH CURRICULUM **3 hours credit**

A course for the in-service teacher in which both the concepts and the subject matter of the language-centered curriculum are analyzed. The inductive method is used as the basic teaching technique. **Three hours per week.**

427. READING DISABILITIES **3 hours credit**

Designed to study the analysis and correction of common reading disabilities. Includes points of view regarding retardation and factors underlying the causes of reading difficulties. **Three hours per week.**

432. MEASUREMENT AND EVALUATION **3 hours credit**

Basic statistics and principles involved in evaluating pupil growth. Special attention is also given to the development and use of teacher made tests. **Three hours per week.**

435. GUIDANCE **3 hours credit**

A basic course in the principles of guidance and related pupil-personnel services for high school teachers, including the meaning and purpose of guidance and common adjustment problems. **Three hours per week.**

436. VOCATIONS: DEVELOPMENT AND APPRAISAL **3 hours credit**

Surveys vocational choice with emphasis on developmental theory. Occupational information and the appraisal of vocational interests are emphasized. **Prerequisite:** A basic guidance course.

440. SAFETY EDUCATION **3 hours credit**

Contemporary and anticipated accidents in the urban home, on the farm, in industry, recreation, transportation, and at school are explored. Principles and practices for reducing the frequency of accidents are developed. For certification credit only. **Three hours per week.**

441. DRIVER AND TRAFFIC SAFETY EDUCATION I **3 hours credit**

Methods of teaching and the administration of high school driver and traffic safety education. The participant must acquire competence in transferring attitudes to students. For certification credit only. **Three hours per week.**

442. DRIVER AND TRAFFIC SAFETY EDUCATION II **3 hours credit**

Methods of teaching and the administration of high school driver and traffic safety education. The participant must acquire, through supervised teaching experience, competence in developing and

projecting his skills and techniques, as well as transferring necessary knowledge to students. For certification credit only. **Three hours per week.**

443. PUPIL TRANSPORTATION **3 hours credit**

Organization and the administration of state, county, and district pupil transportation service with emphasis on safety and economy. For certification credit only. **Three hours per week.**

444. THE PUBLIC SCHOOL TRANSPORTATION OF SCHOOL CHILDREN **3 hours credit**

A workshop to consider the problems of school bus transportation, and a review of research in this field. For certification credit only. **Three hours per week.**

445. CURRENT PROBLEMS IN TRAFFIC SAFETY **3 hours credit**

An advanced course in traffic safety relating to school and community, including evaluation of criteria for identifying problems and discussion of traffic safety administration. Research projects included. **Prerequisite:** Six hours in safety education or consent of instructor. **Three hours per week.**

446. INTRODUCTION TO EARLY CHILDHOOD EDUCATION **3 hours credit**

An introduction to curriculum and methods in early childhood education, including theories, practices, techniques and materials of instruction for working with kindergarten-age children. **Prerequisite:** Admission to professional education program, or 60 semester hours of college credit with teaching experience. **Three hours per week.**

447. EXPERIENCES AND MATERIALS FOR EARLY CHILDHOOD **3 hours credit**

Experiences for development of young children through use of materials and activities. **Prerequisite:** Admission to professional education program, or 60 semester hours of college credit with teaching experience. **Three hours per week.**

448. PROBLEMS OF EARLY CHILDHOOD EDUCATION **3 hours credit**

Research findings used as a basis for program planning in nursery school, kindergarten and primary grades, current trends and issues are considered. **Prerequisite:** Admission to professional education program or in-service teacher. **Three hours per week.**

450. SOCIAL STUDIES IN EARLY CHILDHOOD EDUCATION **3 hours credit**

The selection, use of and evaluation of materials, methods and activities in social studies for the pre-school and primary age student. **Prerequisites:** Admission to professional education program. **Three hours per week.**

451. MATHEMATICS IN EARLY CHILDHOOD EDUCATION **3 hours credit**

Exploration of current approaches to introducing mathematical ideas to the pre-school and primary child. Activities, materials and methods will be focused upon. **Prerequisites:** Admission to professional education program. **Three hours per week.**

452. SCIENCE IN EARLY CHILDHOOD EDUCATION **3 hours credit**

A study of the methods and materials used in teaching science at the early childhood level. Experiences are provided in motivation, procedure and evaluation of science lessons. **Prerequisites:** Admission to professional education program. **Three hours per week.**

453. COMMUNICATION ARTS IN EARLY CHILDHOOD EDUCATION **3 hours credit**

Using a developmental approach, stressing enrichment in free and directed play, talking and listening skills and experimental learning, language acquisition of normal and disadvantaged children emphasized. **Prerequisites:** Admission to professional education program. **Three hours per week.**

460. METHODS AND CURRICULUM FOR TEACHING THE MENTALLY RETARDED **3 hours credit**

A survey of problems related to the development of teaching methods and curriculum for the retarded including current program adaptations and special methods. **Prerequisite:** Admission to professional education program or consent of Department Chairman, or in-service teacher. **Three hours per week.**

461. SEMINAR: TEACHING THE MENTALLY RETARDED **3 hours credit**

Individual research on problems of teaching the mentally retarded with discussion of techniques and approaches for meeting these problems in the focus of the course. **Prerequisite:** Consent of Department Chairman.

470. READINGS IN EDUCATION **3 hours credit**

Selected readings designed to provide in-depth study of an educational topic approved by the advisor. **Prerequisite:** Senior status and permission of Department Chairman. (Scheduled)

500. HISTORICAL AND SOCIAL FOUNDATIONS **3 hours credit**

Selected topics in intellectual and educational history from the time of Ancient Greece to the present. The relation of education to historic traditions and social trends. **Prerequisite:** Education 300 and a course in teaching methods. **Three hours per week.**

502. INTRODUCTION TO RESEARCH **3 hours credit**

An introduction to the methods of scientific inquiry. Gaining experience in the use of research in defining a problem and in collecting, organizing and presenting information on it. **Prerequisite:**

A course in statistics or measurement and evaluation. **Three hours per week.**

505. THE LAW AND PROFESSIONAL NEGOTIATIONS
3 hours credit

A study of professional negotiations from the point of the teacher or other public employees in service. Materials are taken from rapidly developing labor law in the public sector with special emphasis given to operation of the Maryland Professional Negotiations Law for Teachers. **Three hours per week.**

506. SEMINAR IN THE TEACHING OF MATHEMATICS
3 hours credit

Analysis of recent theory and results of research for the teaching of mathematics. Students investigate developments at either the elementary or secondary school level. **Three hours per week.**

508. SEMINAR: RESEARCH IN HUMAN DEVELOPMENT
3 hours credit

A survey of research techniques and findings in the field of human growth and development, with emphasis on recent investigations. **Prerequisite:** Psychology 201 and Education 300 or equivalent. **Three hours per week.**

510. SEMINAR: RECENT ISSUES IN EDUCATION
3 hours credit

Analysis of selected recent issues in education for critical study. Each student is required to survey and critically evaluate pertinent research on at least one issue. **Prerequisite:** Education 300 and a course in teaching methods. **Three hours per week.**

512. PROBLEMS OF TEACHING SOCIAL STUDIES
3 hours credit

Analysis of theory and research in the social sciences as applied to developing and teaching the social studies at either the elementary or secondary school level. **Three hours per week.**

513. SEMINAR IN THE TEACHING OF SCIENCE 3 hours credit

Analysis of recent advances in the teaching of science and the development of skills in applying these to classroom teaching at the elementary or secondary school level. **Three hours per week.**

514. SEMINAR IN CURRICULUM CONSTRUCTION
3 hours credit

A study of the factors underlying the public school curriculum and its development. Opportunities are provided for individual research in curriculum construction at either the elementary or secondary school level. **Prerequisite:** Education 300 and a course in teaching methods. **Three hours per week.**

516. PUBLIC SCHOOL ADMINISTRATION 3 hours credit

An analysis of the responsibilities of the school administrator

including procedures for staff organization, in-service training, curriculum development, scheduling, guidance, and other facets of school administration. **Three hours per week.**

517. PUBLIC SCHOOL SUPERVISION 3 hours credit

A study of the nature, methods, and techniques of public school supervision emphasizing human relationship and other factors involved in the role of the supervisor. **Three hours per week.**

520. READING DIAGNOSIS AND CORRECTION
3 hours credit

An advanced course dealing with analysis of reading retardation, data collecting, case reporting, prognosis, referrals and recommended programs of instruction. **Prerequisite:** Nine hours of graduate work in reading and permission of the instructor. **Three hours per week.**

530. DIRECTED RESEARCH 3 hours credit

Preparation of optional research project in master's degree program under director of departmental supervision.

535. THE ROLE OF THE SUPERVISING TEACHER
3 hours credit

A study of recent trends in teaching and supervising student teachers. Emphasis is given to evaluating the total teaching-learning situation and to organizing and planning the instructional program. **Prerequisite:** Special departmental permission. **Three hours per week.**

540. COUNSELING: THEORY AND PRACTICE 3 hours credit

Introduction to the theories and techniques of counseling applicable to the counselor's work in the public school. Students will become familiar with current personality theories as applied to counseling. Techniques of conducting interviews are included. **Prerequisite:** Basic guidance course. **Three hours per week.**

541. GUIDANCE TECHNIQUES IN ELEMENTARY SCHOOL
3 hours credit

A study of the role of the guidance specialist in the elementary school. Emphasis on current approaches to providing pupil personnel services for children from kindergarten through grade six. For teachers, supervisors and potential counselors. **Prerequisite:** Introductory guidance course. **Three hours per week.**

542. GUIDANCE TECHNIQUES IN SECONDARY SCHOOL
3 hours credit

A study of the role of the guidance specialist in the secondary school. Emphasis on current approaches to providing personal, educational, vocational guidance to youth from grades seven through twelve. For teachers, supervisors, and potential counselors. **Prerequisite:** An introductory guidance course. **Three hours per week.**

543. SUPERVISED PRACTICUM IN GUIDANCE **3 hours credit**

Participation in a guidance program at the grade level of interest to the student counselor. Regular conferences with the counseling supervisor are held. Critiques of tape recorded interviews are made. **Prerequisites:** Teaching experience, at least nine hours of guidance related course work including counseling theory and practice, and consent of the instructor.

595. CIGARETTES AND HEALTH: A CHALLENGE TO EDUCATORS **1 hour credit**

A one week course (workshop) for the assessment of the teacher's role in smoking and health education. Psychological and physiological aspects are explored with guest speakers from medical and educational professions. For certification credit only.

597. WORKSHOP: GUIDANCE **1 hour credit**

A one week workshop to up-grade the competencies of guidance counselors in Maryland. Emphasis will be on communication problems of personnel and guidance workers. For certification credit only.

598. INTERGROUP RELATIONS IN THE SCHOOL **3 hours credit**

A seminar-workshop course designed to focus attention on philosophy and method of dealing with current social problems of race, religion and disadvantaged in the public schools. **Prerequisite:** College degree and teaching experience.

ENGLISH

PROFESSORS NICHOLS (Chairman), ELDERDICE, ERSKINE, GIBSON, VOGELBACK; ASSOCIATE PROFESSORS CALCOTT, FLEMING; ASSISTANT PROFESSORS DOWELL, ERNST, TONGUE, ZAK; INSTRUCTORS BLANTON, MOORE, WELSH, WHALL.

Bachelor of Arts requirements for a major in English include thirty hours of English in courses other than English 101-102. All English majors must also demonstrate, either through examination or course work, intermediate level proficiency in a foreign language. The Department recommends the following English courses to those majors who plan to attend graduate school: 201, (or 432, 434, and 436), 202 (or 438 and 440), 301, 302, 405, 409, 432, 434, 436, 438, and 440.

Requirements for English majors seeking certification for teaching English in the secondary schools include thirty hours of English in courses other than English 101-102. The Department requires the following English courses for teaching majors: 201 or 202; 301 or 302; 310 or 311; 121 or 211 or 230 or 404; 315 or 316; 422 or 423; twelve hours in english electives. The Department also recommends the following courses in Speech and Theatre: 201, 205, 300, 303, and 310. The following courses in Education are required for teaching majors: 300, 305, 306, 309, 333, 410, 422, and 432.

These changes are effective immediately for new majors. Current majors may choose to follow the previous requirements or the new ones.

101. PRINCIPLES OF COMPOSITION **3 hours credit**

A study of the methods of clear, correct, and effective writing. **Three hours per week.**

102. PRINCIPLES OF LITERATURE **3 hours credit**

A study of the principle literary genres, especially as found in contemporary literature. **Prerequisites:** English 101 (unless exempt). **Three hours per week.**

121. AN INTRODUCTION TO FILM **3 hours credit**

An introduction to the artistic potential of the film medium. Basic concepts of organization, structure, and editing techniques will be taken into consideration by means of viewing and discussing a number of short films. Literary and dramatic influences as demonstrated by selected feature films will also be discussed. **Three hours per week.**

201. ENGLISH LITERATURE **3 hours credit**

A survey of English literature from the earliest times through Neo-Classicism. **Prerequisite:** English 101, 102. **Three hours per week.**

202. ENGLISH LITERATURE **3 hours credit**

A survey of English literature from the Pre-Romantic Period to the present. **Prerequisite:** English 101, 102. Three hours per week.

211. INTRODUCTION TO JOURNALISM **3 hours credit**

An introduction to types of journalistic writing in addition to the practical problems of publishing a newspaper. **Prerequisites:** English 101 and 102. **Three hours per week.**

221. LITERATURE AND FILM **3 hours credit**

An exploration of the relationship of film to literature as narrative, dramatic, and poetic means of expression. The course will demonstrate how successfully literary works (novels, plays, short stories, or poems) can be translated into film. **Prerequisites:** English 101 and 102. **Three hours per week.**

230. THE MASS MEDIA AND SOCIETY **3 hours credit**

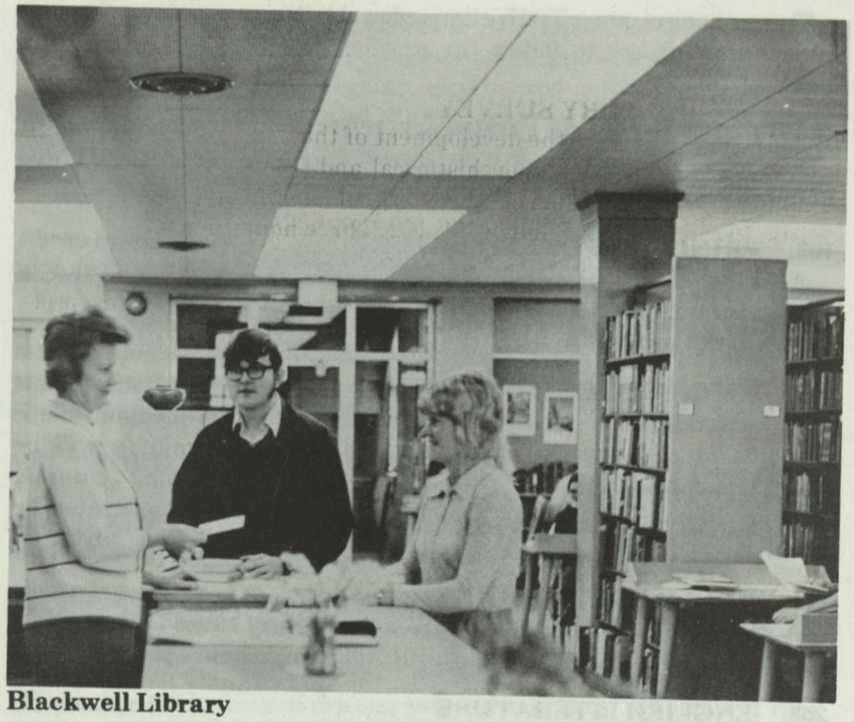
A critical inquiry into the persuasive elements generated through the mass media, and the resulting influence the media exerts upon the society it serves. (See speech 230.) **Three hours per week.**

300. STUDIES IN ENGLISH **3 hours credit**

A study of an author, period, movement, genre, or theme. The topic will vary from semester to semester. May be taken for credit twice. **Prerequisite:** English 101 and 102. **Three hours per week.**

301. AMERICAN LITERATURE TO 1850 **3 hours credit**

A study of major writers from the colonial period through the American Renaissance, with particular stress on the emergence of the



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American Mind. **Prerequisite:** English 101, 102. **Three hours per week.**

302. AMERICAN LITERATURE SINCE 1850 **3 hours credit**
A study of American literature from Whitman to the present. A continuation of English 301 in the stress on the growth of the American Mind as expressed through literature. **Prerequisite:** English 101, 102. **Three hours per week.**

310. WORLD LITERATURE I **3 hours credit**
A study of literature of the world other than the United States and England, from the times of Homer through the sixteenth century. **Prerequisite:** English 101, 102. **Three hours per week.**

311. WORLD LITERATURE II **3 hours credit**
A continuation of English 310, from the seventeenth century to the present. **Prerequisite:** English 101, 102. **Three hours per week.**

315. ADVANCED COMPOSITION **3 hours credit**
A study of the mechanics, craft and art of competent expository writing including a study of uses of logic in written communication. Informal essays and critical paper are required. **Prerequisite:** English 101, 102. **Three hours per week.**

316. CREATIVE WRITING **3 hours credit**
An opportunity to write short fiction and poetry, providing exercises

in planning and technique. **Prerequisite:** English 101 and 102. **Three hours per week.**

321. FILM HISTORY SURVEY **3 hours credit**
This course will trace the development of the motion picture from its beginnings. It will focus upon historical and technical trends and developments and also survey the work of significant directors and artists. **Prerequisites:** English 101, 102. **Three hours per week.**

331. THE SHORT STORY **3 hours credit**
A study of the historical development of the short story, its major characteristics, and its most successful practitioners. **Prerequisite:** English 102. **Three hours per week.**

401. ENGLISH DRAMA **3 hours credit**
A study of the works of major English dramatists of the Elizabethan Period (except Shakespeare), the Restoration, and the Eighteenth Century. **Prerequisite:** English 101, 102. **Three hours per week.**

402. MODERN DRAMA **3 hours credit**
A study of the works of European and American dramatists from Ibsen to Pinter. **Prerequisite:** English 101, 102. **Three hours per week.**

404. INTRODUCTION TO FOLKLORE **3 hours credit**
Origins and spread of orally transmitted tales, ballads, and songs from early times to the present, with particular emphasis on Anglo-American material. Methods of collection and classification are included. **Prerequisite:** English 101, 102. **Three hours per week.**

405. SHAKESPEARE **3 hours credit**
A study of the outstanding comedies and histories, and an intensive study of the major tragedies. **Prerequisite:** English 101, 102. **Three hours per week.**

406. THE AMERICAN NOVEL **3 hours credit**
A study of the work of outstanding American novelists, from Cooper through Dreiser. **Prerequisite:** English 101, 102. **Three hours per week.**

407. THE MODERN NOVEL **3 hours credit**
A study of selected modern novelists, chiefly American and British, from Anderson and Lewis to Graham Greene and Cary. **Prerequisite:** Composition and English 101, 102. **Three hours per week.**

408. MODERN POETRY **3 hours credit**
A study of the works of selected British and American poets, from Yeats to the present, and of leading poetic tendencies. **Prerequisite:** English 101, 102. **Three hours per week.**

409. LITERARY CRITICISM **3 hours credit**
A study of the effectiveness of literary criticism as a dimension of the study of literature. Both the history and the application of the

theory are introduced. **Prerequisite:** English 101, 102. **Three hours per week.**

410. INDEPENDENT STUDY **3 hours credit**

Individual study of an author, period, movement, or genre (or in linguistics), with advice from a member of the English department. **Prerequisite:** English 101, 102 and by invitation of the department. **Three hours per week.**

417. THE ENGLISH NOVEL I **3 hours credit**

A history of the development of the English novel from its beginnings through the eighteenth century. **Prerequisites:** English 101, 102. **Three hours per week.**

418. THE ENGLISH NOVEL II **3 hours credit**

A history of the development of the English novel during the nineteenth century. **Prerequisites:** English 101, 102. **Three hours per week.**

422. A SURVEY OF MODERN GRAMMARS **3 hours credit**

An historical approach to the study of the descriptions of the systems of the language, examining the traditional, the structural, the transformational, and the tagmemic approaches. **Prerequisite:** English 101, 102. **Three hours per week.**

423. LANGUAGE AND CULTURE **3 hours credit**

A linguistic approach to the study of the history of the language, stressing the evolution of the language from perspectives of dialectology, lexicography, and semantics along with the phonological, morphological, and syntactic change. **Prerequisite:** English 101, 102. **Three hours per week.**

432. CHAUCER AND MIDDLE ENGLISH LITERATURE **3 hours credit**

A study of Chaucer's major works as well as typical works of his period. **Prerequisites:** English 101 and 102. **Three hours per week.**

434. RENAISSANCE LITERATURE **3 hours credit**

A study of one major works of English literature from 1500 to 1660. **Prerequisites:** English 101 and 102. **Three hours per week.**

436. EIGHTEENTH CENTURY LITERATURE **3 hours credit**

A study of English literature from the Restoration through the Neo-Classic age. **Prerequisites:** English 101 and 102. **Three hours per week.**

438. ROMANTIC LITERATURE **3 hours credit**

A study of the major works of English literature of the Pre-Romantic and Romantic periods. **Prerequisites:** English 101 and 102. **Three hours per week.**

440. VICTORIAN LITERATURE **3 hours credit**

A study of the major works of English literature during the reign of

Queen Victoria. **Prerequisites:** English 101 and 102. **Three hours per week.**

450. PHILOSOPHICAL CONCEPTS IN LITERATURE **3 hours credit**

An examination of philosophical concepts in literature. The concept to be dealt with will change from offering to offering. **Prerequisite:** English 101 and 102, Philosophy 201. **Three hours per week.**

500. SEMINAR: MAJOR AMERICAN WRITERS OF THE NINETEENTH CENTURY **3 hours credit**

A thorough study of the works of two writers from among Emerson, Thoreau, Hawthorne, Melville, Whitman, Twain, James, and Crane. **Prerequisite:** English 101, 102. **Three hours per week.**

501. SEMINAR: MAJOR AMERICAN WRITERS OF THE TWENTIETH CENTURY **3 hours credit**

A thorough study of the works of two writers from among Frost, Eliot, Fitzgerald, O'Neill, Faulkner, Hemingway, Steinbeck, and Williams. **Prerequisite:** English 101, 102. **Three hours per week.**

502. SEMINAR IN ENGLISH LITERATURE I **3 hours credit**

A study of selected topics in English literature from the beginning to 1660. From time to time the course will concern itself with major authors, genres, and literary themes. **Prerequisite:** English 101 and 102. **Three hours per week.**

503. SEMINAR IN ENGLISH LITERATURE II **3 hours credit**

A study of selected topics in English literature from the Restoration and Romantic periods. From time to time the course will concern itself with major authors, genres, and literary themes. **Prerequisite:** English 101, 102. **Three hours per week.**

504. SEMINAR IN ENGLISH LITERATURE III **3 hours credit**

A study in selected topics in English literature of the Victorian and Modern periods. From time to time the course will concern itself with major authors, genres, and literary topics. **Prerequisite:** English 101, 102. **Three hours per week.**

508. CONTEMPORARY LITERATURE **3 hours credit**

A study of selected contemporary work exemplary of the character of contemporary writing. Reading is done in the novel, drama, the short story, and poetry. **Prerequisite:** English 101, 102. **Three hours per week.**

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in Master's degree program under direction of departmental supervision.

·FRENCH
(See Modern Languages)

GEOGRAPHY

ASSISTANT PROFESSORS FARACE (Chairman), VANDENABEELE; INSTRUCTOR THOMAS.

Bachelor of Arts requirements for a major in Geography include Geography 201 and 202 plus twenty-four semester hours of upper division electives in Geography selected with the approval of the departmental advisor. Majors in this program must also complete six semester hours of Mathematics selected with the approval of the departmental advisor.

Geography majors seeking certification for teaching in the secondary school must meet the additional requirement of the following courses in Education: 300, 305, 306, 309, 334, 410 and 432.

Geography majors seeking certification for teaching the elementary school must meet the additional requirement of the following courses in Education: 300, 305, 307, 309, 310, 311, 312, 316, 401-402 and 411.

Certification in Geography and Earth Science may be obtained by taking twenty-four semester hours of Physical Geography within the Geography major.

201. ELEMENTS (PHYSICAL)* **3 hours credit**
A survey of the physical features of the environment including weather, climate, landforms, soils and the ocean. Processes and distributional patterns are emphasized. **Three hours per week.**

202. ELEMENTS (CULTURAL) **3 hours credit**
A survey of man-environment interrelationships. Distributional patterns are stressed including population, agricultural and industrial activities. **Three hours per week.**

302. REGIONAL GEOGRAPHY OF ANGLO-AMERICA **3 hours credit**
A regional study of the United States and Canada treating the area differentiation within the continent and emphasizing the interplay of the various cultural and physical features of the landscape. Special treatment is given the geography of Maryland. **Three hours per week.**

304. REGIONAL GEOGRAPHY OF EUROPE **3 hours credit**
A regional study of Europe including Soviet Russia with emphasis on the regional differentiation and complexity of the continent. Special treatment is given to present geopolitical problems of Europe. **Three hours per week.**

306. REGIONAL GEOGRAPHY OF THE FAR EAST **3 hours credit**
A regional study of Asia, including China, Japan, India, and Southeast Asia. Emphasis is given to the interplay of physical and cultural features in the landscape which result in the regional diversity of the continent. **Three hours per week.**

308. REGIONAL GEOGRAPHY OF LATIN AMERICA **3 hours credit**
A study of Latin America, including the Caribbean, stressing the interplay of physical and cultural elements and their reflection in regional patterns. The interdependence of South America and North America is treated geographically. **Three hours per week.**

309. PRINCIPLES OF CARTOGRAPHY* **3 hours credit**
An introduction to maps and map reading. Attention is given to the techniques and problems involved in the compilation, design, and drawing of non-topographic maps. Three two-hour laboratories. **Six hours per week.**

317. INTERPRETATION OF AERIAL PHOTOGRAPHY* **3 hours credit**
Techniques of air photo interpretation designed primarily for the geographer. Analysis of land use, topography and vegetation are included. Three two-hour laboratories. **Six hours per week.**

318. LOCAL FIELD COURSE* **4 hours credit**
This course is designed to familiarize the geography student with the basic field techniques of geography. Land use field studies and mapping of the rural and urban areas of Eastern Maryland are scheduled for Sundays. **Four hours per week and seven one day trips per semester.**

320. ADVANCED POLITICAL GEOGRAPHY **3 hours credit**
A geographic analysis of the politically organized area on local, state, national and world levels. The internal structure and external relations of the national units and major power areas are stressed. **Three hours per week.**

330. AGRICULTURAL RESOURCES **3 hours credit**
A geographical analysis of production and trade of agricultural commodities. Some attention is given to aspects of rural-farm population. **Three hours per week.**

331. INDUSTRIAL RESOURCES **3 hours credit**
An analysis of the world distribution of industry. Attention is given to the principles of industrial location and to methods for measuring the distribution of industrial activity. **Three hours per week.**

400. GEOGRAPHY OF RUSSIA **3 hours credit**
A general treatment of the physical and cultural patterns of Soviet Russia showing interrelationships and emphasizing those regions in rapid transition. Some attention is directed to the geographical foundations of Soviet international relations. **Three hours per week.**

401. REGIONAL GEOGRAPHY OF AFRICA **3 hours credit**

A regional study of Africa with emphasis on sub-Sahara Africa. The inter-play of physical and cultural elements and their reflection in regional patterns is stressed. **Three hours per week.**

402. REGIONAL GEOGRAPHY OF THE NEAR EAST **3 hours credit**

A study of the Near East including the Arab countries, Israel and Turkey. Current problems are considered in the geographic setting. **Three hours per week.**

405. URBAN GEOGRAPHY **3 hours credit**

A study of the growth, development, and functions of cities as geographic units and their reletionships to their hinterland. Some time is devoted to urban planning and urban land use mapping. Occasional field work is scheduled. **Three hours per week.**

409. CARTOGRAPHY PRACTICUM* **3 hours credit**

An advanced course in the compilation, design and drawing of non-topographic maps. **Prerequisite:** Geography 309. **Six hours per week.**

410. PRINCIPLES OF METEOROLOGY* **3 hours credit**

An analysis of weather elements and their controls including the planetary circulation system, storms and associated phenomena, study and use of weather maps in forecasting. **Four hours per week.**

411. PRINCIPLES OF GEOMORPHOLOGY* **3 hours credit**

This course deals with landform analysis. Treatment is given to the agents of erosion and deposition - water, wind and ice, and to the internal forces which leave visible evidences on the earth's surface. **Four hours per week.** Four one-day and one three-day field trips.

412. REGIONAL GEOMORPHOLOGY* **3 hours credit**

A regional study of landforms. Special attention is directed to Anglo-America. **Three hours per week.**

413. PRINCIPLES OF CLIMATOLOGY* **3 hours credit**

An analysis of climatic elements and their control. Consideration is given to climatic classifications and the distribution of climatic types **Four hours per week.**

414. GEOMORPHOLOGY PROSEMINAR* **3 hours credit**

An advanced study in selected geomorphic processes and landforms. Individual research and presentation of critical papers. **Three hours per week.**

415. SELECTED PROBLEMS **3 hours credit**

This course is designed for the geography or other social science major who desires to do original research in the field of geography. The problems may be in the nature of library research, field research, or a combination of both. Choice is with the approval of the Department

Chairman. **Prerequisite:** Fifteen hours of Geography or consent of instructor. **Three hours per week.**

420. SENIOR THESIS **3 hours credit**

Independent study and preparation of thesis. Choice is with the approval of the instructor. **Prerequisite:** Eighteen hours in Geography and at least 3.25 scholastic average in Geography. **Three hours per week.**

422. READINGS IN GEOGRAPHY **3 hours credit**

Selected readings designated to permit study in depth of selected topics. Choice is with the approval of the Department Chairman. **Prerequisite:** Fifteen hours in Geography or consent of instructor. **Three hours per week.**

425. MICROCLIMATOLOGY* **3 hours credit**

Main emphasis is placed on the heat budget of the earth's surface as the basis of microclimatology. The air layer and its influence over level ground and the influence of the ground on the adjacent air layer will be given special attention. The course will conclude with a discussion about the relations of man to microclimate and man's influence on the atmospheric environment. **Four hours per week.**

500. GEOGRAPHICAL INFLUENCES IN AMERICAN HISTORY **3 hours credit**

A study of the geographical influences affecting the historical growth and development of North America from colonial times to the present. **Prequisite:** Geography 302 or consent of the instructor. **Three hours per week.**

502. SEMINAR: ANGLO-AMERICA **3 hours credit**

An analysis of selected problems concerning the physical and human geography of Anglo-America. A seminar paper is required. Topics selected with consent of instructor. **Prerequisite:** Geography 302 or consent of instructor. **Three hours per week.**

503. SEMINAR: REGIONAL AND HISTORICAL GEOGRAPHY OF EUROPE **3 hours credit**

An analysis of selected problems concerning the physical, political and historical geography of Europe. A seminar paper is required. Topics selected with consent of instructor. **Prerequisite:** Geography 304 or consent of instructor. **Three hours per week.**

504. SEMINAR: PHYSICAL GEOGRAPHY* **3 hours credit**

A seminar dealing with current problems in areas of meteorology, climatology, soils, geomorphology and vegetation. Individual research and presentation of papers. Topics selected with consent of instructor. **Three hours per week.**

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in Master's degree program under director of departmental supervision. **Three hours per week.**

*Denotes Physical Geography

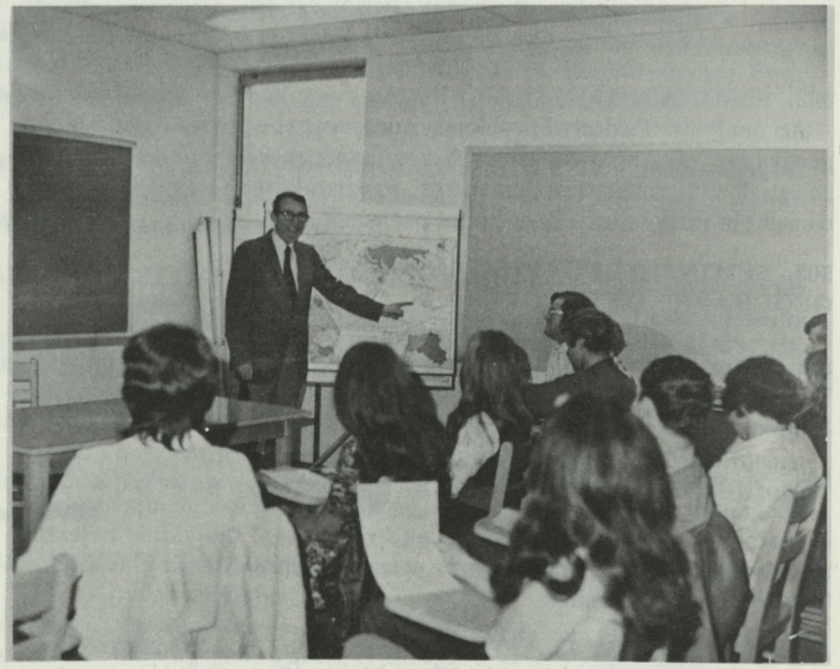
GERMAN
(See Modern Languages)

HEALTH
(See Physical Education and Health)

HISTORY

PROFESSORS WROTEN (Chairman); HELMES, LES CALLETTE, PAGE; ASSISTANT PROFESSORS BRADLEY, JOHNSON; INSTRUCTORS ANG, GREEN, MARCSON, THOMPSON.

Bachelor of Arts requirements for a major in History include History 101-102, 201, 202, 330 and fifteen hours of upper division electives in History, selected with the approval of the departmental advisor. Majors must also complete six hours in a Social Science other than History and satisfy a foreign language requirement. To satisfy the language requirement for a degree in History, a student should make a passing grade in Language 112 or the equivalent level of reading proficiency, demonstrated in a test administered by the Language Department.



History Class

History majors seeking certification for teaching History in the secondary school should meet the additional requirement of the following courses in Education: 300, 305, 306, 309, 334, 410, and 432.

101, 102. WORLD CIVILIZATIONS **3 hours credit each**

A survey of major civilizations from prehistoric times to the present, including a study of the economic, social, cultural, and political forces in the various civilizations. **Three hours per week.**

201, 202. HISTORY OF THE UNITED STATES
3 hours credit each

These courses offer a survey of the political, economic, social, and cultural factors which have shaped the pattern of life in the United States. Particular problems are examined in the light of their sources and historical development. 201 goes down to 1865 and 202 from 1865 to present. **Three hours per week.**

301. HISTORY OF MARYLAND **3 hours credit**

A study of Maryland history and government from the colonial period to the present. The course places special stress on the leaders, institutions, and contributions made in Maryland and by Maryland to the nation. **Three hours per week.**

302. COLONIAL AND REVOLUTIONARY AMERICA (1607-1783)
3 hours credit

A detailed study of foundations of American Civilization. Economic, political, social, cultural and religious factors are emphasized. Consideration of English policy and the Revolution are included. **Three hours per week.**

306. THE EMERGENCE OF A NEW NATION: U.S. 1789-1860
3 hours credit

The course covers such topics as new government and its policies, nationalism and economic expansion, the common man and the new democracy, social ferment and reform movements, manifest destiny, wars and sectional crises. **Prerequisites:** History 201 and 202. **Three hours per week.**

307. CIVIL WAR AND RECONSTRUCTION **3 hours credit**

A survey of the origins, development and outcome of the struggle between the North and South to the end of Reconstruction. Emphasis is placed upon the clash of national and sectional interests, as well as the political and military aspects of the conflict. **Three hours per week.**

310. HISTORY OF ENGLAND AND GREATER BRITAIN
3 hours credit

A survey of England from Roman times to the present, emphasizing the political, legal, social, economic and cultural institutions and the spread of England overseas. **Prerequisite:** History 101, 102. **Three hours per week.**

320. ANCIENT HISTORY **3 hours credit**

The social, economic, political and intellectual history of the Mediterranean world from the earliest times to the decline of Rome and the contributions of that civilization to the West. **Prerequisite:** History 101, 102. **Three hours per week.**

321. HISTORY OF MEDIEVAL EUROPE **3 hours credit**

Culture and institutions of eastern and western Europe from the Age of Constantine to the end of the Hundred Years War and the Fall of Constantinople to the Turks. **Prerequisite:** History 101, 102. **Three hours per week.**

322. RENAISSANCE TO REVOLUTION (1500-1815) **3 hours credit**

European developments from the Age of Exploration through the French Revolution, emphasizing the development of early nationalism, absolutism, colonialism, capitalism, the middle classes, religious wars, and scientific thought. **Prerequisite:** History 101, 102. **Three hours per week.**

323. EUROPE IN THE NINETEENTH CENTURY **3 hours credit**

An analysis of developments from the time of Napoleon to 1900, with emphasis on the industrial revolution and imperialism. Reorganization of the European state system and origins of the great ideological conflicts are considered. **Prerequisite:** History 101, 102. **Three hours per week.**

324. CENTRAL EUROPE SINCE 1815 **3 hours credit**

A history of Germany and Austria from the Napoleonic Period to the present, concentrating on the problems of German nationalism within the framework of modern Europe. Social, economic, and cultural developments will also be emphasized. **Prerequisites:** History 101 and 102.

325. HISTORY OF EUROPEAN REVOLUTIONS SINCE 1815 **3 hours credit**

An examination of representative revolutions since the time of Napoleon, which will assess the influence of the French Revolution on nineteenth century uprisings, explore the changed character of revolutions in the twentieth century, and attempt to construct a revolutionary model. **Prerequisites:** History 101 and 102. **Three hours per week.**

326. AGE OF REVOLUTION, 1789-1848 **3 hours credit**

This course will trace and analyze the origins and development of two great historical upheavals: the French Revolution of 1789 and the contemporaneous Industrial Revolution in Britain. **Prerequisites:** History 101 and 102. **Three hours per week.**

330. PROSEMINAR IN HISTORY **3 hours credit**

A survey of selected historians and their interpretations of history.

The student is introduced to the procedures involved in preparing a research paper. (Required of history majors; may be taken by other students who have satisfactorily completed History 101, 102 and 201, 202.) **Three hours per week.**

332. NATIONAL HISTORY OF MEXICO **3 hours credit**

The development of the Mexican nation with special attention to the War for Independence, Caudillo Government, Reform Movement, the dictatorship of Porfirio Diaz, and the Revolution of 1910. United States-Mexican diplomatic relations are examined. **Three hours per week.**

333. THE ABC POWERS **3 hours credit**

A study of the three major South American powers, Argentina, Brazil, and Chile, with special emphasis on their constitutional development. Included is a close review of their relationships with the United States. **Three hours per week.**

334. LATIN AMERICA INSTITUTIONS **3 hours credit**

A study of the major institutions which developed in Latin America during the colonial and national periods. **Three hours per week.**

340. HISTORY OF AFRICA TO 1870 **3 hours credit**

The course begins with the anthropological literature necessary for an understanding of the continent. The development of indigenous political and social institutions leading to complex state formation in sub-Saharan Africa will be emphasized. **Prerequisite:** History 101, 102. **Three hours per week.**

341. HISTORY OF AFRICA: 1870-PRESENT **3 hours credit**

The course will emphasize the history and politics of imperialism from the "scramble" for Africa to de-colonization. Emphasis will be placed on the interaction of African and European instutitions. **Prerequisite:** History 101, 102. **Three hours per week.**

350. ISLAMIC CIVILIZATION **3 hours credit**

The achievements and failures of Islamic civilization from the seventh to the nineteenth century. Emphasis is on the Middle East but the region from Spain to Indonesia is covered. **Prerequisite:** History 101 and 102. **Three hours per week.**

355. THE MIDDLE EAST AND THE BALKANS SINCE 1500 **3 hours credit**

A history of these two strategic regions from the 16th century, when both were in the Ottoman Empire down to the present, when they comprise 17 independent states. Emphasis will be on the historical explanation of current events. **Prerequisites:** History 101 and 102. **Three hours per week.**

401. AMERICAN DIPLOMACY **3 hours credit**

An historical study of the dipiomatic negotiations and foreign relations of the United States from 1776 to the present. **Three hours per week.**

405. THE UNITED STATES IN THE TWENTIETH CENTURY I
3 hours credit

Populism through the 1920's. A study of the political, economic, intellectual,and social problems attending America's rise to world power late in the 19th century, her involvement in World War I, the changes attending that conflict and the problems of the 1920's. **Three hours per week.**

406. THE UNITED STATES IN THE TWENTIETH CENTURY II
3 hours credit

F.D. Roosevelt to the present. A study of the efforts of the United States to resolve the complex problems of the 1930's intensified by the Great Depression, her involvement in World War II, and struggles to maintain peace in the post-war world. **Three hours per week.**

407. THE WESTWARD MOVEMENT **3 hours credit**

A study of the Westward Movement from the Atlantic to the Pacific-Trans-Alleghany West and the Trans-Mississippi West, with emphasis upon the influence of the frontiers in shaping American Civilization. **Three hours per week.**

409. RECENT TRENDS AND DEVELOPMENT IN LATIN AMERICA **3 hours credit**

An examination of the important political, economic and military changes in Latin America, particularly those of the twentieth century. **Three hours per week.**

411. PROBLEMS IN LATIN AMERICAN HISTORY
3 hours credit

Readings, reports, and discussion of historical problems of Latin American development. **Three hours per week.**

412. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES (1600-1875) **3 hours credit**

413. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES (1876 to present) **3 hours credit**

These courses are a study of American thought as reflected by the people and leaders. The development of American heritage is covered from the Colonial Period to the present, with emphasis upon the intellectual, social, religious, and economic movements. The first course covers from the Colonial Period to Reconstruction and the second course from about 1876 to present. **Three hours per week.**

417. HISTORY OF SCIENCE AND TECHNOLOGY **3 hours credit**

A survey of the evolution of scientific achievements and technology in the Western World, with particular emphasis on the cultural, economic and social implication of these developments. **Prerequisite:** History 101 and 102. **Three hours per week.**

421. EUROPE IN THE TWENTIETH CENTURY WORLD **3 hours credit**

A study of the economic, social. intellectual, and political

development of Europe, viewed in the context of world wars, depression, and conflicting political ideologies, showing the decline of European dominance and the rise of America and Asia. **Prerequisite:** History 101, 102. **Three hours per week.**

423. RUSSIA: RISE TO IMPERIAL POWER **3 hours credit**

A study of Russia from its beginnings to the reign of Nicholas II; with emphasis upon its eastward expansion. **Prerequisite:** History 101, 102. **Three hours per week.**

424. TWENTIETH CENTURY RUSSIA: REPRESSION, REVOLUTION AND CONSOLIDATION **3 hours credit**

A study of Russia from the reign of Nicholas II with emphasis upon the change in the world. **Prerequisite:** History 101, 102. **Three hours per week.**

425. HISTORY OF EASTERN ASIA **3 hours credit**

A study of the historical development of China, Japan, and adjacent regions, with primary emphasis after 1600 when the West stimulated the emergence of new ideals and institutions. **Prerequisite:** History 101, 102. **Three hours per week.**

426. HISTORY OF SOUTHERN ASIA **3 hours credit**

A study of the Indian sub-continent and adjacent regions involving the evolution of Hinduism and Buddhism, the Islamic and British conquests together with their effects on these emerging nations. **Prerequisite:** History 101, 102. **Three hours per week.**

430. READINGS IN HISTORY **3 hours credit**

A readings course in history for students who have achieved above average in at least eighteen hours of history courses. **Three hours per week.**

435. SENIOR THESIS **3 hours credit**

Individual research and preparation of a thesis by history majors. Topic to be approved by department chairman. **Three hours per week.**

437. HISTORY OF EUROPEAN IDEAS **3 hours credit**

A survey of the Western intellectual tradition, beginning with its heritage from the ancient world, and emphasizing the main currents of European thought from the Middle Ages to the present. Particular emphasis will be placed on the rise of a spirit of free inquiry, the development of a scientific attitude, and the growth of a distinct intellectual class. **Prerequisites:** History 101 and 102. **Three hours per week.**

440. MINORITY GROUPS IN UNITED STATES HISTORY
3 hours credit

Attention is given to the role and contribution of minority groups in general, with special emphasis on some of the larger and older minority groups. **Three hours per week.**

450. SELECTED PROBLEMS IN EUROPEAN THOUGHT AND CULTURE, 1700-1840 **3 hours credit**

Readings and discussion in this course will focus on intellectual currents in England, France and Germany in the 18th and early 19th centuries. Works of contemporary writers will be examined in the context of social and political developments. **Prerequisites:** History 101 and 102. **Three hours per week.**

500. MAJOR FORCES IN WORLD CIVILIZATIONS **3 hours credit**

Consideration of such major forces as religion, race, socialism, capitalism, communism, nationalism, and imperialism on the development of world civilizations. **Three hours per week.**

502. SEMINAR: COLONIAL AND REVOLUTIONARY AMERICA **3 hours credit**

A study of Colonial institutions and the American Revolutionary movement. Emphasis is placed upon the study of specific topics through individual research projects. **Three hours per week.**

504. SEMINAR IN EUROPEAN HISTORY **3 hours credit**

A seminar designed to enable the student to explore through intensive research basic problems in modern European History. The period or topics to be studied will be selected by the instructor. **Three hours per week.**

505. SEMINAR: MARYLAND HISTORY **3 hours credit**

A seminar designed to acquaint students, through readings and research, with some of the major problems and developments in the history of Maryland. **Three hours per week.**

506. SEMINAR IN TWENTIETH CENTURY AMERICA **3 hours credit**

A seminar enabling the student to explore intensively specific periods and/or problems in this century through individual research. **Three hours per week.**

508. SEMINAR IN AMERICAN DIPLOMACY **3 hours credit**

A seminar permitting students to investigate, through reading and research, selected problems in the history of American diplomacy. **Three hours per week.**

510. SEMINAR IN LATIN AMERICAN HISTORY **3 hours credit**

An intensive study of major institutions and specific periods in Latin America through readings and research. **Three hours per week.**

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in Master's degree program under direction of departmental supervision. **Three hours per week.**

531. THESIS **3 hours credit**

MATHEMATICS

ASSOCIATE PROFESSOR JONES (Chairman); ASSOCIATE PROFESSOR WHITE: ASSISTANT PROFESSORS BUCKLER, CATHCART, SUBER, MAY, E.L.; INSTRUCTOR PLUTSCHAK.

Bachelor of Science requirements for a major in Mathematics include twenty-six semester hours beyond the 100 level, selected with the approval of the departmental advisor, and must include two courses in Calculus, one in Algebra and one in Geometry. A minimum of three years of college preparatory mathematics is required for admission to this program. Physics 201-202 is recommended for the major in Mathematics.

Mathematics majors seeking certification for teaching Mathematics in the public schools must meet the additional requirement of the following courses in Education: 300, 305, 306, 309, 335, 410, and 432. Courses in foreign language are not required.

001. INTRODUCTORY ALGEBRA **o hours credit**

Introduction to Algebra including elementary properties of number systems, polynomials, equations, inequalities and functions. **Three hours per week.**

101. COLLEGE ALGEBRA **3 hours credit**

A modern approach to college algebra including functions and their graphs, matrices and determinants, permutations, combinations, the binomial theorem, and mathematical induction. **Prerequisite:** Two units of high school algebra or Mathematics 001. **Three hours per week.**

102. TRIGONOMETRY **3 hours credit**

A study of the trigonometric functions and their graphs, equations, identities, composite angles, and other usual topics. **Prerequisite:** H.S. Algebra and plane geometry. **Three hours per week.**

103. FUNDAMENTAL CONCEPTS I **3 hours credit**

The properties of natural numbers are developed and set concepts are used as a basis for the development. The arithmetic and algebraic aspects of common fractions are also explored. **Three hours per week.**

104. FUNDAMENTAL CONCEPTS II **3 hours credit**

A continuation of Mathematics 103 in which the student is introduced to the real numbers, measurements, mathematical systems and mathematical method. **Three hours per week.**

108. ANALYTIC GEOMETRY **3 hours credit**

A study of rectangular and polar coordinate systems, graphs, lines, conic sections, curve sketching, parametric equations, and transcendental functions. **Prerequisite:** Mathematics 101 and 102. **Three hours per week.**

171. COMPUTER PROGRAMMING **3 hours credit**

An introduction to computer programming and uses of the computer. Development of computer languages and computer-oriented algorithms, **Prerequisite:** Two units of high school algebra or Mathematics 001. **Two hours lecture and two hours laboratory per week.**

200. IDEAS IN MATHEMATICS **3 hours credit**

A course for liberal arts students designed to provide an appreciation of the power, structure, and beauty of mathematics. **Three hours per week.**

201. DIFFERENTIAL CALCULUS **4 hours credit**

Variables, functions, limits, differentiation, critical points, applications of maxima and minima, differentials, simple integration, and applications including fluid pressure, curvature, polar coordinates, mean value theorem, and indeterminate forms. **Prerequisite:** Mathematics 108. **Four hours per week.**

202. INTEGRAL CALCULUS **4 hours credit**

Integration as a process of summation, its application to areas, volumes, arc length, centroids, moments, infinite series, prismodal formula and Simpson's Rule, hyperbolic functions and multiple integrals. **Prerequisite:** Mathematics 201. **Four hours per week.**

213. PROBABILITY AND STATISTICS **3 hours credit**

Introduction to probability, frequency distributions, measures of dispersion, the normal curve, curve fitting, regression, correlation, and statistical inference. **Prerequisite:** Two units of high school algebra or Mathematics 001. **Three hours per week.**

300. INFORMAL GEOMETRY **3 hours credit**

Geometric figures in the plane and in space are considered as sets of points and are analyzed intuitively. Some emphasis is placed on the deductive process. **Prerequisite:** Mathematics 103 and 104. Not open to majors in mathematics. **Three hours per week.**

303. FUNDAMENTALS OF MODERN MATHEMATICS **3 hours credit**

An introduction to abstractions, proofs, and foundations. Number systems developed after a study of groups, rings, and fields. **Prerequisite:** Two units of high school algebra and one unit of plane geometry. **Three hours per week.**

306. LINEAR ALGEBRA **3 hours credit**

Basic concepts of vector spaces, linear transformation, matrices, determinants, and systems of linear equations. **Prerequisite:** Mathematics 201. **Three hours per week.**

310. CALCULUS III **3 hours credit**

Taylor's Theorem and infinite series, function of several variables,

partial differentiation, multiple integral and other topics. **Prerequisite:** Mathematics 202. **Three hours per week.**

371. NUMERICAL METHODS **3 hours credit**

Recommended for science and mathematics majors to learn computer programming concurrently with classical numerical methods. Programs in FORTRAN will be written for interpolation, numerical differentiation and integration, least square, systems of linear equations, differential equations, analysis of errors. **Prerequisite:** Mathematics 201 or equivalent. Credit will not be given for both 171 and 371. **Two hours lecture and two hours laboratory per week.**

402. THEORY OF NUMBERS **3 hours credit**

Basic concepts: integers, prime numbers, divisibility, congruences, and residues. **Prerequisite:** Mathematics 201. **Three hours per week.**

403. ADVANCED CALCULUS **3 hours credit**

Limits and continuity, infinite series, partial differentiation, line and surface integrals, vector notation. **Prerequisite:** Mathematics 202. **Three hours per week.**

406. GEOMETRIC STRUCTURES **3 hours credit**

An axiomatic development of incidence, ordered incidence, affine and absolute geometries. Investigation of the Euclidean Parallel Postulate and its consequences, including similarity, area and volume. **Prerequisite:** Mathematics 201 or equivalent. **Three hours per week.**

407. NONEUCLIDEAN GEOMETRY **3 hours credit**

Saccheri quadrilaterals, open triangles and critical parallels in absolute geometry. The Lobachevskian Parallel Postulate and properties of Hyperbolic Geometry. Construction of a model of Hyperbolic Geometry in Euclidean 3-space. **Prerequisite:** Mathematics 201 or equivalent. **Three hours per week.**

413. PROBABILITY **3 hours credit**

A study of finite sample space, including probability measure, random variables, frequency distributions, independence, variance regression, and correlation. Extension to countably infinite and continuous sample spaces. **Prerequisite:** Mathematics 202 or consent of instructor. **Three hours per week.**

421. INTRODUCTION TO MATHEMATICAL LOGIC **3 hours credit**

An introduction to the concepts of logic and methods of proof, along with applications to mathematics. **Prerequisite:** Consent of instructor. **Three hours per week.**

431. POINT SET TOPOLOGY **3 hours credit**

Topological spaces, homeomorphisms, compactness, product spaces; applications of these to various spaces with particular attention to Euclidean Space. **Prerequisite:** Mathematics 202 and consent of instructor. **Three hours per week.**

441. ABSTRACT ALGEBRA **3 hour credit**

An introduction to the theory of groups, rings, integral domains and fields, including basic properties of polynomials. **Prerequisite:** Mathematics 201. **Three hours per week.**

451. ANALYSIS I **3 hours credit**

An introductory course to modern abstract analysis including: real and extended real number systems, complex numbers, metric spaces. Weierstrass and Heine-Borel Theorems in Euclidean n-space, continuity and uniform continuity, L'Hospital's Rule and Taylor's Theorem. **Prerequisite:** Mathematics 202. **Three hours per week.**

452. ANALYSIS II **3 hours credit**

A continuation of Analysis I including: the Riemann-Stieltjes Integral, sequence of functions and an introduction to Lebesgue Theory. **Prerequisite:** Mathematics 451. **Three hours per week.**

461. DIFFERENTIAL EQUATIONS **3 hours credit**

A course including first order linear differential equations, homogeneous equations, exact equations, second order equations with constant coefficients, and applications. **Prerequisite:** Mathematics 202. **Three hours per week.**

490. INDIVIDUAL STUDY **3 hours credit**

Supervised study in an area of interest to an advanced student. **Prerequisite:** Approval of the department. **Three hours per week.**

500. FOUNDATIONS OF NUMBER THEORY **3 hours credit**

Designed for teachers of arithmetic with emphasis on the development of the real number system and elementary number theory. **Prerequisite:** one course in college mathematics or consent of instructor. **Three hours per week.**

501. FOUNDATIONS OF ALGEBRA **3 hours credit**

Emphasis is placed on algebraic structures as used in the modern approach to the teaching of albegra. **Prerequisite:** Mathematics 103 or 500. **Three hours per week.**

502. FOUNDATIONS OF GEOMETRY **3 hours credit**

Emphasis is placed upon the modern approach to the teaching of geometry. **Prerequisite:** Mathematics 103 or 500. **Three hours per week.**

506. SELECTED TOPICS **3 hours credit**

Designed for students with a major in mathematics to develop topics in mathematics not included in the undergraduate program or to extend areas previously studied. **Prerequisite:** Approval of the department.

507. SEMINAR: ALGEBRA **3 hours credit**

A seminar dealing with selected topics from linear and abstract algebra. A seminar paper is required. **Prerequisite:** Approval of the department.

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in Master's degree program under direction of departmental supervision.

MODERN LANGUAGES: French and Spanish

PROFESSOR KNOWLES (Chairman); ASSOCIATE PROFESSOR PALMER; ASSISTANT PROFESSORS CLARK, HARISPE, MOREAU.

Bachelor of Arts requirements for major in French or Spanish are thirty-three credit hours above the elementary level. Specific courses are 350, 351 for all majors and Sp. 240, 245 & 220 for teaching major in Spanish, and Fr. 240 & 220 for teaching major in French. Majors will follow the required courses in general education prescribed for all students at the college. Students planning to teach will take those courses in Education which are specified by the Education Department and/or those required for certification in the state in which the student wishes to teach. The remaining credit hours required for graduation are open for electives; however, students are expected to consult the chairman of the department in planning their electives. For those interested in teaching certification, the state requires 24 hours of college level, or 18 hours of college level with two years study of the same language in any of the last three years of high school.

FRENCH

101-102. ELEMENTARY FRENCH I & II **3 hours credit**

A comprehensive introduction to the spirit of French civilization through conversation. Placement is through placement test or with departmental approval. **Three hours per week.**

111. ESSENTIALS OF FRENCH GRAMMAR I **3 hours credit**

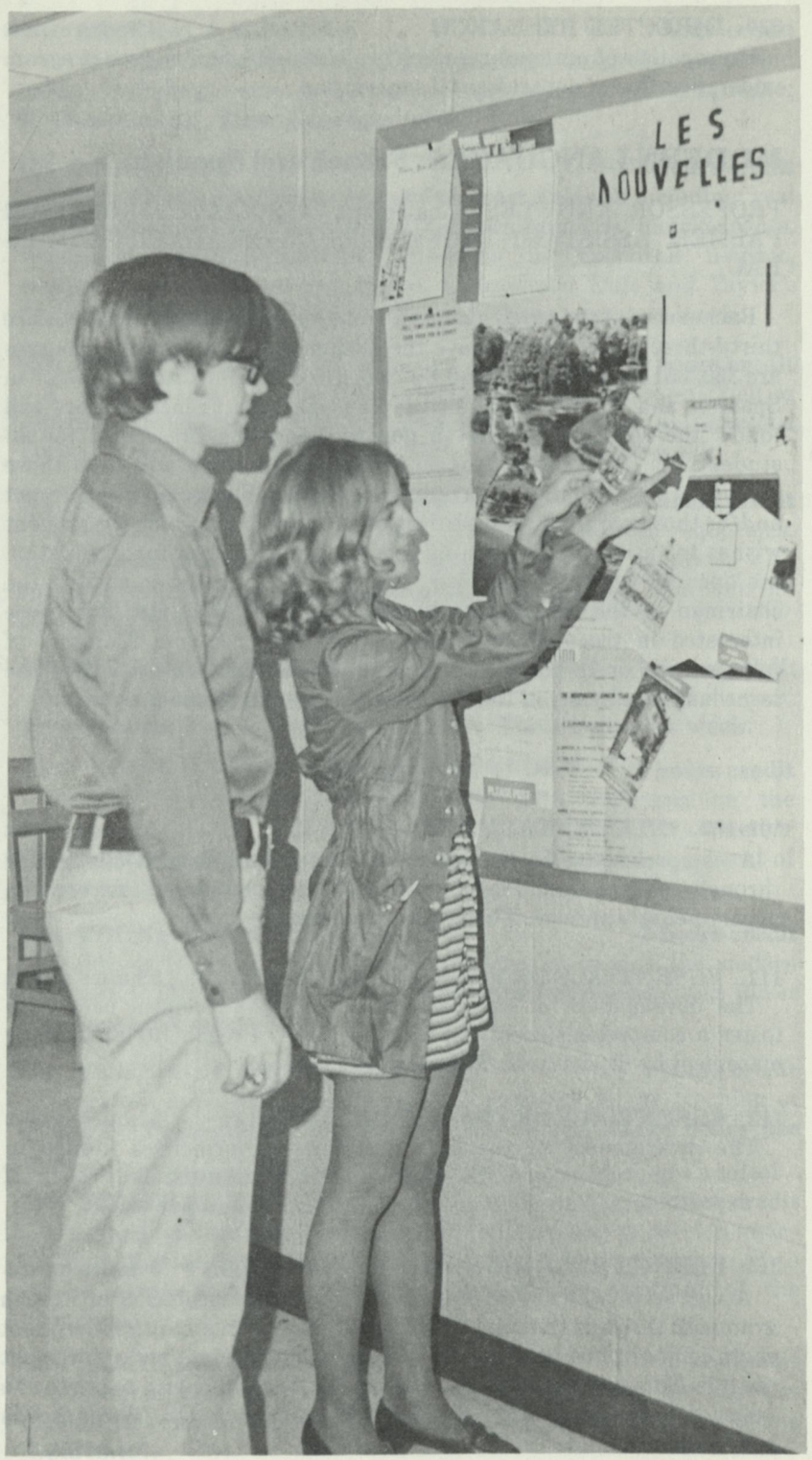
The development of the basic grammatical principles needed to foster a comprehension of the learning skills. French 101 and 102 or placement by department. **Three hours per week.**

112. ESSENTIALS OF FRENCH GRAMMAR II **3 hours credit**

The development of the basic grammatical principles needed to foster a comprehension of the learning skills. **Prerequisites:** French III or departmental placement or approval. **Three hours per week.**

210. FRENCH READINGS AND COMPOSITION I **3 hours credit**

A course in which students review the major problems of French grammar through the analysis of texts. The course requires frequent short compositions leading to vocabulary development and refinement of style. This course should be taken by all those who wish to pursue an upper division curriculum. **Prerequisites:** French 112. **Three hours per week.**



211. FRENCH READINGS AND COMPOSITION II
3 hours credit

A course in which students review the major problems of French grammar through the analysis of texts. The course requires frequent short compositions leading to vocabulary development and refinement of style. **Three hours per week.**

220. INTERMEDIATE FRENCH CONVERSATION 3 hours credit

A course for the continued development of conversational skills through oral reports and presentations and "explication de texte". **Prerequisite:** French 112 or consent of department chairman. **Three hours per week.**

240. THE FRENCH PEOPLE (CONDUCTED IN ENGLISH)
3 hours credit

An entertaining study of the French, its tradition through the past, its complexity through the present and its potentially unsolvable problems in the future. Course conducted in English and uses slide presentations as a source of comprehensional assistance. **Three hours per week.**

250. FRENCH LITERATURE FROM THE MIDDLE AGES TO THE AGE OF REASON 3 hours credit

A history of French literature based on the study of representative works of major periods. The literature will be considered within the general context of Occidental Culture. Of particular interest to English, History, Art History and Music majors. This course does not satisfy General Education Language requirements. To be deleted in catalog from 1973. **Prerequisite:** English 102. **Three hours per week.**

320. INTRODUCTION TO THE "GENRE" I 3 hours credit

A course of textual analysis of works studied in "toto" from each of the following: Drama, poetry, and the short story. **Prerequisite:** French 211 or consent of dept. chairman. **Three hours per week.**

321. INTRODUCTION TO THE "GENRE" II 3 hours credit

A continuation of French 320 with emphasis on the novel. **Prerequisite:** Fren. 211 or consent of dept. chairman. **Three hours per week.**

350. FRENCH LITERATURE IN TRANSLATION I 3 hours credit

A course running from the Middle Ages to the Age of Reason. A Reflection of the Past As Seen Through Some of the Greatest Texts: The Song of Roland; Essais-Montaigne; Pheadra-Racine. Open to all. **Prerequisite:** English 102. **Three hours per week.**

351. FRENCH LITERATURE IN TRANSLATION 3 hours credit

A course running from the Age of Reason To Today. A study of the emergence of France as a nation through the revolutionary literature of 1789, the intense emotionalism of the romantics, the realist observations; and the existential absurd of France today. Open to all.

Prerequisite: Eng. 102 or consent of depart. chairman. **Three hours per week.**

401. ADVANCED COMPOSITION AND MORPHOLOGY.
3 hours credit

A course designed to bring together on a intense advanced level all the principles of morphology, syntax, sentence development, and sentence structure through translation and advanced composition. **Prerequisite:** French 211. **Three hours per week.**

402. ADVANCED PHONETICS AND DICTION **3 hours credit**

A course designed to provide greater flexibility in the spoken language by intense oral practice to correct the defects of pronunciation and diction. **Prerequisite:** French 220 or upon approval of department chairman. **Three hours per week.**

405. SPECIAL PROBLEMS IN FRENCH **3 hours credit**

Individual study of special areas in French linguistics or in French literature with the advice and direction from a member of the department. **Prerequisite:** Consent of dept. chairman. **Three hours per week.**

411. MEDIEVAL AND RENAISSANCE THOUGHT IN FRENCH LITERATURE **3 hours credit**

A study of the major phenomena of French literary history from its dawning in 843 to the negative implications of the term "Dark Ages", through to the optimism of the early Renaissance in Rabelais to its decline in Montaigne. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

412. LITERATURE OF CLASSICAL PERIOD **3 hours credit**

A study of the principle classical Themes found in the works of Corneille, Racine, Moliere, La Fontaine, La Bruyere and La Rochefoucauld. **Prerequisite:** French 320, 321 or consent of department chairman. **Three hours per week.**

413. LITERATURE OF "AGE OF REASON" **3 hours credit**

A study of the development of the philosophical and scientific movement in France with specific attention to the works of Montesquieu, Voltaire, Diderot and Rousseau. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

414. THE ROMANTIC MOVEMENT **3 hours credit**

The Development of Romanticism from Chateaubriand to Victor Hugo. The course is designed to illustrate the newly-found-post-revolutionary sensitivities as reflected through selected literary sources. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

415. REALISM AND NATURALISM **3 hours credit**

A detailed study of the terms "realism" and "naturalism" and their

effect on the nineteenth century as seen through the works of Stendhal, Flaubert, Balzac and Zola. **Prerequisites:** French 320, 321, or consent of department chairman. **Three hours per week.**

416. CONTEMPORARY FRENCH LITERATURE **3 hours credit**

Contemporary ideologies as seen in representative works of Mauriac, Camus, Sartre, Maurras, Apollinaire, Prevert and Cocteau. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

417. TWENTIETH CENTURY DRAMA **3 hours credit**

A transitional study of certain dramatic works from Claudel to Ionesco including the underlying currents of symbolism, surrealism, existentialism, and the dramatic implications found in the Avant-Garde and anti-realist theaters. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

440. FRENCH CULTURE AND CIVILIZATION OF CONTEMPORARY FRANCE **3 hours credit**

An In-Depth, On-Location Study of French Culture Through Gastronomy: Consists of two weeks at La Chambre De Commerce De L'Alimentation De Paris, plus lectures designed to assist the comprehension of the great transition (revolution) occurring in contemporary French thought and extensive touring throughout France. **Three hours per week.**

GERMAN

101 , 102. ELEMENTARY GERMAN **3 hours credit**

A lab-supported introductory course equivalent to two years of high school German. Placement: By examination if language previously studied or as a new language to students. **Three hours per week.**

SPANISH

101, 102. ELEMENTARY SPANISH **3 hours credit**

A basic course in spoken and written Spanish with emphasis on the sound system and the major structures of the language. Placement is through placement test or with departmental approval. **Three hours per week.**

111. INTERMEDIATE SPANISH **3 hours credit**

A course for the continued development and refinement of the language skills with emphasis on reading, writing and vocabulary development. Placement is through placement test or with departmental approval. **Three hours per week.**

112. INTRODUCTION TO HISPANIC EXPRESSION
3 hours credit

A course in which students will apply their language skills to explore the richness of the Spanish-speaking world through the study of selected materials.

150. PERSPECTIVES OF SPANISH THOUGHT AND EXPRESSION **3 hours credit**

A course in English for students outside the language curriculum. The course depicts the peculiarities of the Spanish mentality as they are reflected in the language, the traditions, and the customs of the people. Major vehicle of examination will be literary sources. **Three hours per week.**

151. PERSPECTIVES OF LATIN AMERICAN THOUGHT AND EXPRESSION **3 hours credit**

A course in English for students outside the language curriculum. The course depicts the peculiarities of the Latin American mentality as they are reflected in the language, the traditions, and the customs of the people. Major vehicle of examination will be literary sources. **Three hours per week.**

210, 211. SPANISH READINGS AND COMPOSITION **3 hours credit**

A course in which students review the major problems of Spanish grammar through analysis of texts. Course requires frequent short compositions leading to vocabulary development and refinement of style. **Prerequisite** to upper-level writing courses. **Three hours per week.**

220. CONVERSATION **3 hours credit**

A course designed to develop confidence and correctness in spoken Spanish through practice in pronunciation, situational dialogues, and discussions. **Prerequisite:** Spanish 112 or consent of department chairman. **Three hours per week.**

240. ELEMENTS OF SPANISH CULTURE **3 hours credit**

A study of the dominant cultural patterns in Spanish life including the great themes of religion, family relationships and festivals; and the dilemmas of work-leisure, sports-cruelty, honor-death, through prose, drama and other selected material. **Prerequisite:** Spanish 211 or consent of dept. chairman. **Three hours per week.**

245. ELEMENTS OF LATIN AMERICAN CULTURE **3 hours credit**

A study of key cultural patterns with particular attention given to the results of the transformation of Spanish culture through its transplantation to the New World. The major vehicle of examination is the written word in prose, drama and other selected material. **Prerequisites:** Spanish 211 or consent of Department Chairman. **Three hours per week.**

250. SPANISH AND SPANISH-AMERICAN LITERATURE IN TRANSLATION **3 hours credit**

Representative works of major periods include contemporary Latin American literature considered within the context of Occidental Culture. Of particular interest to English, History, Art History majors

and those with interest in music. This course does not satisfy General Education Language requirements. To be deleted in catalog from 1973. **Prerequisite:** English 102. **Three hours per week.**

320. INTRODUCTION TO LITERARY FORMS - I DRAMA AND POETRY **3 hours credit**

An introduction to the formal principles underlying drama and poetry through readings and analyses of selected works. **Prerequisites:** Spanish 211 or consent of dept. chairman. **Three hours per week.**

321. SPANISH INTRODUCTION TO LITERARY FORMS - II - STORY AND NOVEL **3 hours credit**

An introduction to the narrative techniques of the short story and the novel through readings and analyses of selected works. **Prerequisites:** Spanish 211 or consent of dept. chairman. **Three hours per week.**

350. SPANISH LITERATURE IN TRANSLATION TO 1700 **3 hours credit**

A Survey of the Classics from The Middle Ages, The Renaissance, and The Golden Age. Course conducted in English and open to non-majors. Requirement for majors. **Prerequisite:** English 102 or consent of department chairman. **Three hours per week.**

351. SPANISH AND LATIN AMERICAN LITERATURE IN TRANSLATION (19th and 20th Century) **3 hours credit**

A survey of the major works of Spanish and Latin American Literature including masterpieces or romanticism, realism, modernism and contemporary movements. Course conducted in English and open to non-majors. **Prerequisite:** Engl. 102 or consent of dept. chairman. **Three hours per week.**

401. ADVANCED SPANISH GRAMMAR AND COMPOSITION **3 hours credit**

Concentrated drill on Spanish syntax and idiomatic usage combined with translation from English to Spanish and the writing of themes in Spanish. **Prerequisite:** Spanish 211 or consent of the chairman of the department. **Three hours per week.**

405. SPECIAL PROBLEMS IN SPANISH **3 hours credit**

Individual study of special areas in Spanish linguistics or in Spanish and Latin American Literature with advice and direction from a member of the department; may be repeated by same student with new content. **Prerequisites:** Spanish 320, or 321, or consent of dept. chairman. **Three hours per week.**

412. SPANISH LITERATURE OF GOLDEN AGE I **3 hours credit**

Drama: Study of selected masterpieces of Spanish drama of the *Siglo De Oro*. **Prerequisites:** Spanish 320, or 321, or consent of dept. chairman. **Three hours per week.**

413. SPANISH LITERATURE OF GOLDEN AGE II **3 hours credit**

Poetry and Prose: A study of selected masterpieces of Spanish poetry and prose of the *Siglo De Oro*. **Prerequisites:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

414. DON QUIJOTE **3 hours credit**

Study of Cervantes' Novel *El Ingenioso Hildalgo Don Quijote De La Mancha*. **Prerequisites:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

415. NINETEENTH CENTURY SPANISH LITERATURE I **3 hours credit**

Romanticism: A study of the development of romanticism in Spanish Literature through representative masterpieces by outstanding authors of the period. **Prerequisites:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

416. NINETEENTH CENTURY SPANISH LITERATURE II **3 hours credit**

Post Romanticism: A study of the development of the post-romantic movements in Spanish Literature during the 19th century. **Prerequisites:** Spanish 320, 321 or consent of department chairman.

417. NINETEENTH CENTURY SPANISH LITERATURE **3 hours credit**

A study of the major work in Spanish American Literature of the 19th century. **Prerequisites:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

418. CONTEMPORARY SPANISH AND LATIN AMERICAN NOVEL **3 hours credit**

Study of selected Spanish and Latin American novels. The novels will vary from year to year. **Prerequisites:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

419. CONTEMPORARY SPANISH AND LATIN AMERICAN DRAMA **3 hours credit**

Study of selected Spanish and Latin American dramas. The dramas chosen will vary from year to year. **Prerequisites:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

420. THE ESSAY **3 hours credit**

A study of the history and development of the essay as a literary form in Spanish and Latin American literature. **Prerequisites:** Spanish 320,321 or consent of department chairman. **Three hours per week.**

MUSIC

PROFESSOR FLEMING (Chairman); ASSISTANT PROFESSOR ELLIS, HEYDE, SMITH, ZEIGLER; INSTRUCTOR RUSSELL.

Courses in the Music curriculum are offered by the college as an element of liberal education. Theoretical and practical instruction in music is available, with opportunities for participation in both vocal and instrumental organizations.

A student may elect an area of concentration of 30-40 semester hours in music within the liberal studies major. Combined with required courses in Education, this concentration in music would qualify him for certification as a music teacher in the public schools of Maryland.

A student may also elect 16 or more semester hours in music, which qualifies a major in Elementary Education for the "Music Endorsement" on the elementary certificate.

100. COLLEGE CHORUS **1 hour credit**

Provides opportunity to sing choral music of all musical periods and styles; develops musical ability and appreciation, singing ability and some understanding of musical notation required. **Two hours per week.**

101. INSTRUMENTAL ENSEMBLE **1 hour credit**

Provides opportunity to continue playing an instrument begun prior to college. Included are concert band, marching band, stage band, brass ensemble, string ensemble and other chamber music ensembles for which appropriate instrumentation exists. **Minimum two hours per week.**

104. LITERATURE I **3 hours credit**

Reviews elements of music and introduces musical styles and forms from the Renaissance through twentieth century; develops understanding of music as an art and music's place in Western culture, and introduces techniques of listening. **Three hours per week.**

105. LITERATURE II **3 hours credit**

A continuation of Music 104, with greater emphasis on a variety of works by great composers of all stylistic periods. **Three hours per week.**

200. FUNDAMENTALS **2 hours credit**

Develops understanding of musical notation and skills in reading and performing music by singing, playing the piano, simple harmony, melody, and rhythm instruments and conducting. **Two hours per week.**

203, 204. THEORY I AND II **3 and 4 hours credit**

Sight reading, ear training, written and keyboard harmony form and

analysis techniques applied to development of reading, part writing and aural skills through simple chromaticism, modulation and transposition. **Prerequisite:** Music 200 or approval of instructor. **Three and four hours per week.**

205, 206. PIANO I AND II **2 hours credit each**

Group piano instruction with individual help, to develop fundamental piano techniques and pianistic style through acquaintance with a wide variety of piano literature. May be repeated for credit. **Prerequisite:** Music 200 or equivalent. **Three hours per week.**

207, 208. VOICE I AND II **2 hours credit each**

Introduction to vocal techniques and development of skill in singing through proper voice placement, breathing, tone production and diction. Voice I includes introduction to Italian diction and 18th century Italian song literature. Voice II includes introduction to German diction and the style of the "Lied." Other musical materials are chosen as needed. (Part of the course involves laboratory work, hence 3 class hours for 2 hours credit.) **Prerequisite:** Music 200, or consent of the instructor. Voice I to be prerequisite to Voice II. **Three hours per week.**

305, 306. MUSIC HISTORY I AND II **2 hours credit each**

Music from earliest times to the present, including changing theories of form and composition. Analysis and comparison of prevailing styles in music by representative composers. Music History I covers ancient music through the Baroque period; Music History II from Classicism through the present. **Prerequisite:** Music 104 or consent of instructor. **Two hours per week.**

307, 308. VOICE III AND IV **2 hours credit each**

Continuation of techniques begun in Voice I & II. Continued study of German lieder, oratorio and opera. Introduction of French diction and application to French Art Song Literature; Contemporary Art Song Literature in English. Study of program building with application to performance. Required recorded listening for analysis of voices. **Three hours per week (Part of the course involves laboratory work). Prerequisites:** Music 200, 207 and 208 or consent of dept. chairman.

310. CONDUCTING AND SCORE READING **3 hours credit**

Application of basic conducting patterns in expressing a variety of styles, dynamics and tempi; analysis of conductor's score and rehearsal techniques in both choral and instrumental music. **Prerequisite:** Music 200 or equivalent. **Three hours per week.**

315,316. PIANO III AND IV **2 hours credit each**

Continuation of skills developed in Piano I and II plus keyboard harmony through simple modulation, transposition, improvisation and accompaniment techniques, and ensemble playing. (Part of the course involves laboratory work, hence 3 hours per week for 2 hours credit)

Prerequisite: Music 200, plus Music 205, 206 Piano I and II or equivalent proficiency level, as determined by instructor. Piano III a prerequisite for Piano IV. **Three hours per week.**

321,322. ORGAN I AND II **2 hours credit each**

Fundamental techniques or organ manual and pedal playing, and basic principles of registration. Easy organ literature by representative composers. **Prerequisite:** Music 200, piano ability of Grade III level and approval of instructor. Organ I to be a prerequisite for Organ II. **Three hours per week.**

404. MUSIC FOR THE THEATRE **3 hours credit**

Historical and analytical study of opera, operetta, broadway musical ballet, music for films; lecture-discussion, critical listing to recordings, individual research and extensive use of visual aids. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

405. MUSIC OF THE BAROQUE PERIOD **3 hours credit**

Analysis of the philosophy, musical forms and styles of the period 1600-1750, study of representative polyphonic choral and instrumental music by outstanding composers of the period. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

406. MUSIC OF THE CLASSICAL PERIOD **3 hours credit**

Analysis of philosophy, musical forms and styles of the period 1750-1825, with emphasis on the development of instrumental music study of representative recorded music by outstanding composers. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

407. MUSIC OF THE ROMANTIC PERIOD **3 hours credit**

Analysis of philosophy, musical forms and styles of the period 1820-1900, particularly as they were influenced by social and political forces; study of representative vocal and instrumental works. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

408. MODERN MUSIC **3 hours credit**

Emergence of new developments from late romantic music through serial and electronic music, including influences of jazz and considering the effects of social forces and current world events. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

411, 412. APPLIED MUSIC I AND II. **2 hours credit each.**

An advanced course in performance techniques using a wide variety of literature. A solo recital (alone, or sharing a program with other students) encompassing music of many styles and periods is a required culmination. Students will elect one performing medium (piano or voice or organ or other instrument) and must have completed the fourth course in the sequence for that instrument as a **Prerequisite:** Each course may be repeated for credit once. **Three hours per week.**

416. AMERICAN MUSIC **3 hours credit**

Analysis of musical forces and styles as they reflect the nation's

development and America's unique contributions to the growth of music as an art form. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

430. MUSICAL CONCEPTS FOR ELEMENTARY SCHOOL **3 hours credit**

Development of musical skills, with emphasis on part-singing, piano accompaniments, combined rhythms, conducting skills, and creative application of these skills appropriate for the elementary school. **Prerequisite:** Music 200 or consent of the instructor. **Three hours per week.**

500. TWENTIETH CENTURY MUSIC **3 hours credit**

Analysis of the manner in which melody, rhythm, harmony, form and orchestral instruments are used by major modern composers. Political, economic and social forces and current world events are considered for their effects on music of our time. **Three hours per week.**

PHILOSOPHY

ASSISTANT PROFESSOR WHITEWAY (Chairman); INSTRUCTOR MILLER

Philosophy examines those questions about the nature of man and the universe which philosophers have asked and sought to answer from ancient times to the present. Emphasizing the analysis of fundamental concepts, this discipline seeks to establish for the individual a foundation for intelligent action. Courses in this curriculum assist the student in appraising the presuppositions and methods of other disciplines and seek to show the broader significance and interrelation of work in all fields of academic endeavor.

201. INTRODUCTION TO PHILOSOPHY **3 hours credit**

An introduction to metaphysics, epistemology, and philosophy of religion. Central philosophic issues are considered through examination of problems in these areas and analysis of solutions offered by various systems of thought. **Three hours per week.**

202. INTRODUCTION TO LOGIC **3 hours credit**

This course will provide a basic introduction to logic, emphasizing modern symbolic methods. The nature of formal deductive proof will be given special attention. **Three hours per week.**

203. ETHICS **3 hours credit**

An historical analysis of the problems of ethics and consideration of criteria for their solution. Principal ethical positions are examined with emphasis on writings of Plato, Aristotle, St. Augustine, Spinoza, Hume, Kant and Mill. **Three hours per week.**

204. CRITICAL THINKING **3 hours credit**

The course is designed to develop ability to reason effectively, to

analyze problems, identify issues, critically evaluate evidence, argue logically and reach and be able to defend justifiable conclusions. **Three hours per week.**

300. AESTHETICS **3 hours credit**

An introduction to aesthetics as a branch of philosophy dealing with the nature of art. Various theories from Plato to Wittgenstein will be discussed. **Three hours per week.**

301. GENERAL HISTORY OF PHILOSOPHY I **3 hours credit**

A survey course covering the period from the pre-Socratic philosophers to St. Thomas Aquinas. **Prerequisite:** Philosophy 201, or 202, or consent of instructor. **Three hours per week.**

302. GENERAL HISTORY OF PHILOSOPHY II **3 hours credit**

A survey course covering the periods from Descartes to the present. **Prerequisite:** Philosophy 301 or consent of instructor. **Three hours per week.**

303. CONTEMPORARY PHILOSOPHY **3 hours credit**

This course examines the impact of scientific method as well as the influence of mathematics on philosophical methods and concepts. Such important movements as pargamatism, positivism, the philosophy of analysis and existentialism will be discussed. **Prerequisite:** Philosophy 201 or Philosophy 204. **Three hours per week.**

304. CONTEMPORARY MORAL ISSUES **3 hours credit**

The course examines the major moral issues of our times. Among topics to be discussed are: Civil disobedience, crime and punishment, business ethics, sex, drugs, discrimination, the role of the church in society, and alienation. **Prerequisite:** Philosophy 201, 202 or 203 or permission of the instructor. **Three hours per week.**

305. POLITICAL PHILOSOPHY **3 hours credit**

The nature of freedom, power, justice, class, etc. are studied through the comparison of different political, economic and social systems. Applications are then made to contemporary problems. **Three hours per week.**

400. PHILOSOPHICAL IMAGES OF MAN **3 hours credit**

A study of the major figures of classical and contemporary thought as regards their philosophies of man. **Prerequisite:** Philosophy 201 202, or consent of instructor. **Three hours per week.**

401. PHILOSOPHY OF RELIGION **3 hours credit**

A study of the concepts and presuppositions of theology and the reasonings of theologians, as well as an examination of religious experiences and the activities of worship. **Prerequisite:** Philosophy 201, or 202, or consent of instructor. **Three hours per week.**

402. GOD IN MODERN & CONTEMPORARY PHILOSOPHY **3 hours credit**

This course attempts to clarify and synthesize what modern

philosophers say about God. It shows that regardless of the diversity of their opinions, there is an agreement about the basic problems. These problems center on God's existence, nature, and relationship to man. **Prerequisite:** Philosophy 201, 202 or 204 or permission of instructor. **Three hours per week.**

403. EXISTENTIALISM **3 hours credit**

An examination of the main themes of this contemporary philosophy which stresses the humanistic approach to the profound experiences of life are explored through the diverse themes of Kierkegaard, Sartre, Jaspers, Heidegger and Marcel. **Prerequisite:** Philosophy 201, 203, or 204.

406. PHILOSOPHY OF SCIENCE **3 hours credit**

A critical examination of the philosophical problems common to the natural sciences, such as the nature of scientific laws and theories, and problems involved in scientific explanation. **Prerequisite:** Philosophy 201, 202 or 204. **Three hours per week.**

407. THEORY OF KNOWLEDGE **3 hours credit**

The course examines the sources, types, methods, structure and validity of knowledge. A study is made of classical, modern and contemporary sources of meaning, truth and perception with the intent of giving the student an acquaintance with an appreciation of the scope and limits of knowledge. **Prerequisite:** Philosophy 201, 202 or 204. **Three hours per week.**

450. PHILOSOPHICAL CONCEPTS IN LITERATURE **3 hours credit**

An examination of philosophical concepts in literature; the concept to be dealt with will change from offering to offering. **Prerequisite:** English 101 and 102 and Philosophy 201. **Three hours per week.**

PHYSICAL EDUCATION AND HEALTH

PROFESSORS WHITNEY (Chairman), MAGGS, ASSOCIATE PROFESSORS DESHON, MORRISON, ASSISTANT PROFESSOR QUINN, INSTRUCTORS COLEMAN, HARVEL, HUESER, LAMBERT, MCGLINCHEY, MCNAMARA, SIGLER, SMITH.

Requirements for the Bachelor of Science degree with a major in Physical Education.

Note: Students who have begun their major preparation under the previous program will be allowed to satisfy graduation requirements in accordance with the former program insofar as possible.

Fall 1972 Revision: Requirements designed to fulfill certification requirements for grades kindergarden through twelve include the

satisfactory completion of certain specified courses in the general education program (Biology 111, 112, and Physics 103, three credits in Speech unless a speech-screening test is successfully passed. Psychology 201, which is prerequisite to a required professional education course). In addition, Chemistry 107 and Biology 215 must be completed.

Physical Education and Health course requirements include women: P.E.220, 221,222, 223, 224, 225, 226, 227, 228, 229, 240, 260, 261, 312, 313, or 340, 315 or 316, 321, 406, 431, 450, Health 101 and 301, or 401. men: 220, 230, 231, 232, 233, 234, 235, 236, 223, 250, 260, 308, 312, 313, or 340, 321, 350, or 351, 406, 431, 450, Health 101, 301 or 401.

Required professional education courses include: Ed. 300, 305, 306, 309, 331, 412, 403 and 404.

Elementary Education majors desiring to be certified in Physical Education for Grades K-6 will complete the following requirements for a "Physical Education endorsement." Credits in Human Anatomy and Physiology, 16 semester hours in Physical Education selected from: P.E. 312, 313, 315-W, 316-W, 321, 340, 350-M, 351-M, 406, 408, 431, 450, and skills courses (Catalog numbers 101, 102, 120-Series,—especially P.E. 125, 130-Series, 160-Series, 220-Series, 230-Series, 260-Series, and 308.)

In general, courses numbered at the 100-level are beginning skills courses unless the title of the course indicates otherwise; those at the 200-level include both practice and theory and are at the intermediate level, and are designed primarily for physical education majors. All courses in the department are open to general education students (when qualified).

The Symbol (W) following a course title indicates that this course is for women only, (M) indicates for men only, (MW) indicates coeducational courses, (M,W) indicates separate sections for men and women.

PHYSICAL EDUCATION

001. INTERCOLLEGIATE ATHLETICS (M,W) Non-Credit
Involves practice and participation in intercollegiate athletics. (Hours depend on sport involved).

100, 200. MODIFIED ACTIVITIES (MW) 1 hour credit, each
Assignment is made to these courses for students with physical handicaps, in order to fulfill physical education requirements. Offered on pass/fail basis only. **Two hours per week each of two semesters.**

101, 102. CONDITIONING AND SPORTS (M) 1 hour credit, each
A general program of physical education activities planned to help the student develop and maintain physical fitness. Emphasis is placed on recreational skills and carry-over sports. **Two hours per week for two semesters.**

120. ARCHERY AND FENCING (MW) BEGINNING 1 hour credit
Fundamental skills, techniques, rules and strategy of archery and fencing. **Two hours per week.**

121. BASKETBALL AND LACROSSE (W) BEGINNING 1 hour credit
Fundamental skills, techniques, rules and strategy of basketball and lacrosse. **Two hours per week.**

122. FIELD HOCKEY AND CONDITIONING (W) BEGINNING 1 hour credit
Fundamental skills, techniques, rules and strategy of field hockey, exercises and self-testing activities designed to develop physical fitness. **Two hours per week.**

123. GOLF AND BADMINTON (MW) BEGINNING 1 hour credit
Fundamental skills, techniques, rules and strategy of golf and badminton. **Two hours per week.**

124.RECREATIONAL GAMES AND SOFTBALL (W) 1 hour credit
Fundamental skills, techniques, rules and strategy of selected games (such as shuffleboard, table tennis, bowling) and of softball. **Two hours per week.**

125. ELEMENTARY SCHOOL ACTIVITIES (MW) 1 hour credit
A wide variety of activities for elementary school physical education programs. **Two hours per week.**

126. TENNIS AND VOLLEYBALL (W) BEGINNING 1 hour credit
Fundamental skills, techniques, rules and strategy of tennis and volleyball. **Two hours per week.**

128. TUMBLING AND BEGINNING GYMNASTICS (W) 1 hour credit
Fundamental skills and techniques in tumbling, and introduction to gymnastics and floor exercise routines. **Two hours per week.**

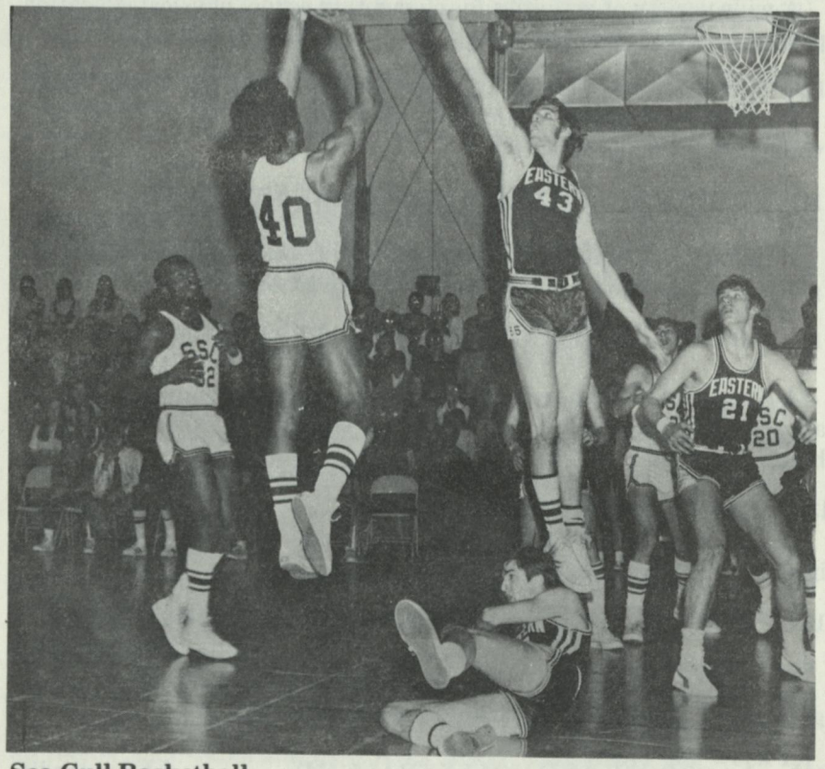
129. ADVANCED GYMNASTICS AND APPARATUS (W) 1 hour credit
Advanced skills and techniques in floor and mat gymnastics and in apparatus. **Prerequisite:** PE . 128 or equivalent experience. **Two hours per week.**

131. SOCCER AND BASKETBALL (M) 1 hour credit
Designed to provide fundamental knowledge and skills of soccer and basketball. **Two hours per week.**

132. TOUCH FOOTBALL, GYMNASTICS & TUMBLING (M) 1 hour credit
An activity course designed to teach the basic skills of touch football, gymnastics & tumbling. **Two hours per week.**

133. LACROSSE AND VOLLEYBALL (M) 1 hour credit

Folk Dance Practice



Sea Gull Basketball

Designed to provide basic knowledge and skills in these sports. **Two hours per week.**

134. WEIGHT TRAINING AND WRESTLING (M) 1 hour credit
Introducing techniques and skills of weight training and wrestling designed to provide the student with knowledge, appreciation, and basic skills. **Two hours per week.**

137. TENNIS AND BADMINTON (MW) 1 hour credit
An activity course designed to teach the basic skills of tennis and badminton. **Two hours per week.**

160. BEGINNING INTERNATIONAL FOLK DANCE (MW) 1 hour credit
Basic steps and formations, and a wide variety of simple dances of different nations. **Two hours per week.**

161. ADVANCED INTERNATIONAL FOLK DANCE (MW) 1 hour credit
Review of basic steps and formations. More complicated steps and patterns. A selection of intricate folk and national dances from various countries and cultures. **Prerequisite:** P.E. 160 or consent of instructor. **Two hours per week.**

162. ELEMENTARY MODERN DANCE (MW) 1 hour credit
Fundamentals of modern dance, basic techniques and elementary composition. **Two hours per week.**

163. INTERMEDIATE MODERN DANCE (MW) 1 hour credit
Advanced techniques, principles of composition and choreography. **Prerequisite:** P.E. 162 or consent of instructor. **Two hours per week.**

164. ADVANCED MODERN DANCE (MW) 1 hour credit
Advanced skills, composition and choreography. Emphasis on both individual and group performance. **Prerequisite:** P.E. 163 or consent of instructor. **Two hours per week.**

220. PRACTICE AND THEORY OF ARCHERY AND FENCING (MW) 1 hour credit
Review of fundamental skills in both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures. **Prerequisite:** P.E. 120 or consent of instructor. **Two hours per week plus alternate Fridays.**

221. PRACTICE AND THEORY OF BASKETBALL AND LACROSSE (W) 1 hour credit
Review of fundamental skills, techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in both sports. **Prerequisite:** P.E. 121 or consent of instructor. **Two hours per week plus alternate Fridays.**

222. PRACTICE AND THEORY OF FIELD HOCKEY AND CONDITIONING (W) **1 hour credit**

Review of fundamental skills, techniques, rules and strategy of field hockey. Review of principles and techniques of conditioning. Analysis of teaching methods, lessson planning and progression, history and testing procedures in both activities. **Prerequisite:** P.E. 122 or consent of instructor. **Two hours per week plus alternate Fridays.**

223. PRACTICE AND THEORY OF GOLF AND BADMINTON (MW) **1 hour credit**

Fundamental skills, techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures. **Prerequisite:** P.E. 123 or consent of instructor. **Two hours per week plus alternate Fridays.**

224. PRACTICE AND THEORY OF RECREATIONAL GAMES AND SOFTBALL (W) **1 hour credit**

Review of fundamental skills, techniques, rules and strategy of selected games (such as shuffleboard, table tennis, bowling), and softball. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in recreational games and softball. **Prerequisite:** P.E. 124 or consent of instructor. **Two hours per week plus alternate Fridays.**

225. PRACTICE AND THEORY OF SOCCER AND SPEEDBALL (W) **1 hour credit**

Fundamental skills, techniques, rules and strategy of both sports. **Prerequisite:** Consent of instructor. **Two hours per week plus alternate Fridays.**

226. PRACTICE AND THEORY OF TENNIS AND VOLLEYBALL (W) **1 hour credit**

Review of fundamental skills techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in both sports. **Prerequisite:** P.E. 126 or consent of instructor. **Two hours per week plus alternate Fridays.**

227. PRACTICE AND THEORY OF TRACK AND FIELD (W) **1 hour credit**

Review of Fundamental skills, techniques and rules of track and field. Analysis of teaching methods, lesson planning and progression, history, scoring of meets, and testing procedures. **Two hours per week and alternate Fridays.**

228. PRACTICE AND THEORY OF TUMBLING AND BEGINNING GYMNASTICS (W) **1 hour credit**

Review of Fundamental skills, and techniques of tumbling. Analysis of teaching methods, progression, history and testing procedures. Introduction to gymnastics with emphasis on competitive floor exercise

routines. **Prerequisite:** P.E. 128 or consent of instructor. **Two hours per week plus alternate Fridays.**

229. PRACTICE AND THEORY OF ADVANCED GYMNASTICS AND APPARATUS (W) **1 hour credit**

Review of basic tumbling skills, and fundamentals of gymnastics. Analysis of teaching methods, lesson planning and progression. Skills of competitive apparatus work and scoring. **Prerequisite:** P.E. 228 or consent of instructor. **Two hours per week plus alternate Fridays.**

230. PRACTICE AND THEORY OF BASKETBALL (M) **1 hour credit**

Skills, theory, and teaching techniques. Designed to prepare students to analyze, evaluate, and teach basketball skills and game strategy. Includes practical and classroom work. **Prerequisite:** Consent of instructor. **Three hours per week.**

231. PRACTICE AND THEORY OF FOOTBALL (M) **1 hour credit**

Skills, theory and teaching techniques. Designed to prepare future physical education teachers for class teaching and interscholastic coaching of football. Emphasis is on advanced skills, theory and organization. **Prerequisite:** Consent of instructor. **Three hours per week.**

232. PRACTICE AND THEORY OF SOCCER AND SPEEDBALL (M) **1 hour credit**

Skills, theory and teaching techniques. Basic skills and fundamental techniques are taught. Positional play and overall game planning are included as well as practical coaching information. **Prerequisite:** Consent of instructor. **Three hours per week.**

233. PRACTICE AND THEORY OF BASEBALL (M) **1 hour credit**

Skills, theory and teaching techniques. Designed to prepare students to analyze and teach basic baseball skills and game strategy. Includes both practical and classroom work. **Prerequisite:** Consent of instructor. **Three hours per week.**

234. PRACTICE AND THEORY OF LACROSSE (M) **1 hour credit**

Skills, theory and teaching techniques. Designed to prepare students to analyze and teach basic lacrosse skills and game strategy. Includes both practical and classroom work. **Prerequisite:** Consent of instructor. **Three hours per week.**

235. PRACTICE AND THEORY OF TRACK AND FIELD AND WRESTLING (M) **1 hour credit**

Skills, theory, and teaching techniques. Advanced study of track

and field and wrestling. Structured primarily for the physical education teacher. **Prerequisite:** Consent of instructor. **Three hours per week.**

236. PRACTICE AND THEORY OF TENNIS AND VOLLEYBALL (M) **1 hour credit**

Skills, theory and teaching techniques. Designed to prepare future physical education teachers of tennis and volleyball. Emphasis on advanced skills and appropriate teaching methods. **Prerequisite:** Consent of instructor. **Three hours per week.**

239. PRACTICE AND THEORY OF WEIGHT TRAINING (M) **1 hour credit**

Skills, theory and teaching techniques. Advanced instruction designed to prepare future physical education teachers to teach the theory and skills in weight training. **Prerequisite:** Consent of instructor. **Three hours per week.**

240. PRACTICE AND THEORY OF AQUATICS (MW) **1 hour credit**

Review of fundamental skills in basic swimming strokes, diving skills, and water safety. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in swimming. **Prerequisite:** Consent of instructor. **Two hours per week plus alternate Fridays.**

260. PRACTICE AND THEORY OF INTERNATIONAL FOLK DANCE (MW) **1 hour credit**

Analysis and practice of dances of different nations, including the study of folk costumes and customs. Progression for teaching, teaching methods, and lesson planning. **Prerequisite:** P.E. 160 or consent of instructor. **Two hours per week plus alternate Fridays.**

261. PRACTICE AND THEORY OF MODERN DANCE (MW) **1 hour credit**

Review of basic techniques, principles of composition, historical background, teaching methods and analysis of techniques. **Prerequisite:** P.E. 162 or consent of instructor. **Two hours per week plus alternate Fridays.**

308. GYMNASTICS AND APPARATUS (MW) **1 hour credit**

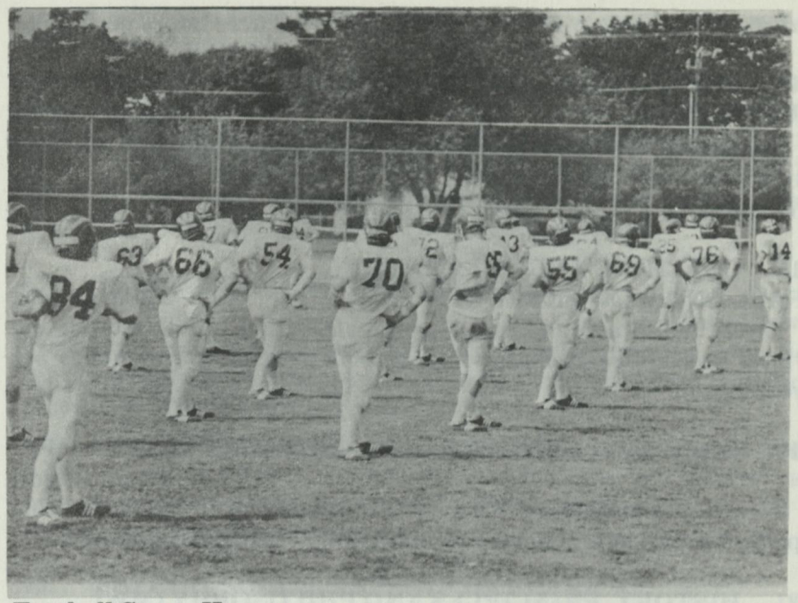
Fundamental skills and techniques of floor and mat gymnastics, and apparatus. **Prerequisite:** P.E. 101, 102, or consent of instructor. **Two hours per week.**

309. SWIMMING AND WATER SAFETY (MW) **1 hour credit**

Summers until pool is available. **Three hours per week.**

312. PHYSIOLOGY OF EXERCISE AND BODY MECHANICS (MW) **3 hours credit**

Study of the physiological basis and principles of physical activity.



Football Starts Here

Gulls Win Soccer Title

Prerequisite: Biology 111, 112 and Health 101. **Three hours per week.**

313. PREVENTION AND TREATMENT OF ATHLETIC INJURIES (MW) **2 hours credit**

Analysis of the importance of training in preventing injuries, diagnosis and treatment of injuries, first aid techniques and procedures. **Prerequisite:** P.E. 312. **Three hours per week.**

315. COACHING AND OFFICIATING (FALL AND WINTER SPORTS) (W) **2 hours credit**

Theory and practice of coaching and officiating in selected fall and winter sports. **Prerequisite:** Consent of instructor. **Three hours per week.**

316. COACHING AND OFFICIATING (SPRING SPORTS) (W) **2 hours credit**

Theory and practice of coaching and officiating in selected spring sports. **Prerequisite:** Consent of instructor. **Three hours per week.**

321. HISTORY, PRINCIPLES AND PHILOSOPHY (MW) **3 hours credit**

Analysis of the principles of physical education, with emphasis on their historical development from the basic sciences and related fields. **Three hours per week.**

340. ADAPTED PHYSICAL EDUCATION (MW) **2 hours credit**

Survey of types of individuals who could benefit from individualized physical education, with the study of corrective and recreational activities appropriate for teaching the handicapped. Teaching methods, class organization and program planning. **Three hours per week.** Two lectures and one 1 hour lab.

350. OFFICIATING FALL AND WINTER SPORTS (M) **1 hour credit**

Designed to provide fundamental knowledge and experience in officiating football, soccer and basketball. Note: Student must register for P.E. 001. **Prerequisite:** Consent of instructor. **Three hours per week.**

351. OFFICIATING SPRING SPORTS (M) **1 hour credit**

Designed to provide fundamental knowledge and experience in officiating baseball, lacrosse, and track and field. Note: Student must register for P.E. 001. **Prerequisite:** Consent of instructor. **Three hours per week.**

406. ADMINISTRATION AND ORGANIZATION (MW) **3 hours credit**

Problems of administrative structure and procedure, program planning, organization of physical education classes and departments, and

organization of athletic programs. **Prerequisite:** Consent of instructor. **Three hours per week.**

408. MOVEMENT EDUCATION (MW) **3 hours credit**

Analysis of the elements of human movement, with practical applications to the teaching of physical education in grades K through 12. Methods, materials, historical development, readings, practice. **Prerequisite:** Consent of instructor. **Three hours per week.**

431. TESTS AND MEASUREMENTS (MW) **3 hours credit**

Study of testing and evaluation techniques for physical education activities, survey of health tests, grading techniques, and statistical procedures. **Three hours per week.**

450. KINESIOLOGY (MW) **3 hours credit**

The study of human motion with emphasis on the skeletal and muscular systems that are involved. **Prerequisite:** Physics 103 or equivalent. **Three hours per week.**

451. PSYCHO-SOCIAL ASPECTS OF PHYSICAL EDUCATION (MW) **3 hours credit**

The interaction of physical education (sports) with the psychological and sociological development of the individual. **Prerequisite:** Psychology 201 or consent of instructor. **Three hours per week.**

452. APPLIED MOTOR LEARNING (MW) **3 hours credit**

The study of basic areas of investigation in motor learning and the relevance of findings to the teaching of physical education. **Prerequisite:** Consent of instructor. **Three hours per week.**

460. DANCE WORKSHOP (MW) **3 hours credit**

Theory and practice of dance forms used in public school physical education--children's rhythmic activities, modern dance, folk, square and tap dance. Designed as a three-weeks' summer school course for teachers. **Prerequisite:** Teaching experience or consent of instructor.

HEALTH

101. BASIC HEALTH (MW) **2 hours credit**

Factors involved in maintaining and improving personal health, analysis of individual health problems. **Two hours per week.**

301. CONTEMPORARY PROBLEMS IN HEALTH EDUCATION (MW) **3 hours credit**

Designed as preparation for public school teaching in such areas as sex education, drug use and abuse, and other current health problems. Involves curriculum planning, methods and materials. **Prerequisite:** Admission to professional education program. **Three hours per week.**

401. COMMUNITY HEALTH (MW) **3 hours credit**

A study of the factors involved in improving public health, including

a survey of community health problems and resources, and the role of the teacher in community health. **Three hours per week.**

PHYSICAL SCIENCES
(Chemistry, Physics, and Science)

PROFESSOR GLENN (Chairman); ASSOCIATE PROFESSOR SHAFFER; ASSISTANT PROFESSORS FORNEY, KUNDELL, PELLERIN, SHERMAN.

Bachelor of Science requirements for a major in Chemistry include Chemistry 101, 104, 203, 204, 303, 304, 401, 402, 404, and 410 or 411. Chemistry majors must also complete Mathematics 201, 202 and Physics 201, 202. Also required for Chemistry majors in the Arts and Sciences curriculum is a reading knowledge of French or German as defined by the successful completion of French 112, or equivalent course in German or other experiences certified as equivalent to these courses by the Language Department.

Chemistry majors seeking certification for teaching Chemistry in the secondary schools must meet the above requirements, except that either Chemistry 304 or 402 is replaced by a three-hour Chemistry elective. Also required are the following courses in Education: 300, 305, 306, 336, 309, 410, and 432. Courses in foreign language are not required in the teacher education curriculum.

Courses in the Physics curriculum are designed primarily for students seeking majors in other fields of science and mathematics. Students wishing to concentrate in Physics generally major in Mathematics. Additional courses in the science curriculum are included for non-science majors and may also serve as electives for students in the Elementary Education program.

The program in Physical Science is designed for students seeking certification for teaching Chemistry, Physics, or General Science in the secondary schools. Requirements for a major in Physical Science include twenty-four hours in Chemistry or Physics (Chemistry 101, 104, 203, 204, 303, and four hours of Chemistry electives for the concentration in Chemistry. Physics 201, 202, 307, and 12 hours of additional Physics electives are required for the concentration in Physics.)

In addition to requirements in the science of concentration, fourteen hours are required in the other physical sciences (Chemistry or Physics). Majors must also complete Mathematics 201, 202, and Education 300, 305, 306, 309, 336. 410, and 432.

CHEMISTRY

101. GENERAL CHEMISTRY **4 hours credit**

A study of fundamental laws of Chemistry and atomic structure emphasizing quantitative relationships. **Prerequisite:** Two years of high school algebra or equivalent. **Three hours lecture and one three hour laboratory per week.**

102. GENERAL CHEMISTRY **4 hours credit**

A continuation of Chemistry 101, including the study of the common elements and their compounds and introducing the principles of qualitative and quantitative analysis and organic chemistry. **Three hours lecture and one three hour laboratory per week.**

104. GENERAL CHEMISTRY INCLUDING QUALITATIVE ANALYSIS **4 hours credit**

Lectures in this course are the same as those in Chemistry 102. Laboratory work consists primarily of semi-micro qualitative analysis and some elementary quantitative determination. **Three hours lecture and one three hour laboratory per week.**

107. FUNDAMENTALS OF CHEMISTRY **3 hours credit**

Fundamentals of chemistry: Selected topics from the areas of general, organic, and biochemistry. Not designed to meet General Education Requirements in the College.**(Three hours lecture per week).**

203, 204. CHEMISTRY **4 hours credit each**

A study of the carbon compounds, including their organization, preparation, and typical reactions, and an introduction to qualitative analysis of organic compounds. **Prerequisite:** Chemistry 101, 102 or 104. **Three hours lecture and five hours laboratory per week.**

207. CHEMISTRY AND THE ENVIRONMENT **3 hours credit**

A study of the interaction of Chemistry and the environment. The objective is to give students an understanding of those scientific principles which they as citizens will need for making judgments involved in the managing of the environment. **Three hours per week.**

302. SPECTRAL ANALYSIS **3 hours credit**

Application of absorption spectroscopy to the identification of organic molecules. Infrared, ultraviolet, nuclear magnetic resonance (NMR) and mass spectra are investigated from both the theoretical and practical viewpoints. **Prerequisite:** Chemistry 204 or consent of instructor. **Three hours lecture per week.**

303. ANALYTICAL CHEMISTRY **4 hours credit**

A basic study of the theory and applications of the various analytical methods including volumetric, electrolytic, electrometric, and photometric. **Prerequisite:** Chemistry 102 or 104. **Two one-hour lectures and two three-hour laboratories per week.**

304. INORGANIC CHEMISTRY **4 hours credit**

A study of the basic theoretical concepts of inorganic chemistry with emphasis on atomic structure, bonding, reactions, and the transition elements. **Prerequisite:** Chemistry 102 or 104. **Three hours lecture and one three hour laboratory per week.**

305. ADVANCED ANALYTICAL CHEMISTRY **4 hours credit**

An extension of Chemistry 303. Theory and application of selected

determinations with emphasis on those commonly used in industry. Attention is focused on additional analyses using volumetric and instrumental methods. **Prerequisite:** Chemistry 303. **Two hours lecture and two three-hour laboratories per week for one semester.**

400. ELEMENTS OF BIO-CHEMISTRY **3 hours credit**

An abbreviated course for biology majors, nurses, and for general education. Includes those principles of organic chemistry needed as a background. **Prerequisite:** Chemistry 101-102, or Science 202. (Not open to chemistry majors.) **Two hours lecture and one two-hour laboratory per week.**

401, 402. PHYSICAL CHEMISTRY **4 hours credit each**

A comprehensive study of the fundamental concepts of physical chemistry. **Prerequisites:** Mathematics 201, 202, Physics 202, and Chemistry 104, or consent of the instructor. **Three hours lecture and one three hour laboratory per week.**

403. ORGANIC QUALITATIVE ANALYSIS **4 hours credit**

A study of the procedure and theory involved in the systematic identification of organic compounds. **Prerequisite:** Chemistry 203 and 204. **Two hours lecture and two three-hour laboratories per week.**

404. SEMINAR **1 hour credit**

A seminar required of all majors in Chemistry after the completion of 24 semester hours. Written and oral reports on selected topics from the literature. Meetings and consultation equivalent to one hour per week. **Prerequisite:** Twenty-four hours of Chemistry.

405. ORGANIC PREPARATIONS **3 hours credit**

A study of advanced methods of preparing organic compounds. Emphasis is placed on developing the ability to use research publications and to proceed independently. **Prerequisite:** Chemistry 203, 204. **Six hours of laboratory per week and conferences with the instructor.**

410,411. CHEMICAL RESEARCH **3 hours credit each**

Individual undergraduate research on an approved subject under supervision of a member of the staff. **Prerequisite:** 24 hours of Chemistry or consent of instructor. **Six hours of laboratory per week and conference with the instructor.**

412. ADVANCED ORGANIC CHEMISTRY **3 hours credit**

An advanced survey of the classes of organic compounds not included in Chemistry 203 and 204. **Prerequisite:** Chemistry 204. **Three hours lecture per week.**

PHYSICS

001. DESCRIPTIVE ASTRONOMY **no credit**

A non-credit course taught for those interested in exptending their knowledge and understanding of the structure of the universe. The approach is basically descriptive. Telescope observations are included when practical.

103,104. GENERAL PHYSICS **4 hours credit each**

Elementary courses designed to give a broad exposure to the laws of physics. Major topics are classical mechanics, thermo-dynamics, electricity and magnetism, optics, special relativity, and atomic and nuclear structure. **Prerequisite:** Two years of high school algebra or equivalent. **Three hours lecture and one two-hour laboratory per week.**

105. INTRODUCTION TO ASTRONOMY **3 hours credit**

This course stresses the main ideas of physical science in their relation to the universe. Topics covered include universal gravitation; the origin and evolution of the stars, sun, planets, and comets; nuclear processes in stars; and the dynamics of the galaxy. **Two hours lecture and one two-hour laboratory per week.**

201,202. CLASSICAL PHYSICS **4 hours credit each**

Intended for Physical Science and Mathematics majors. Covers major topics in the area of classical physics, specifically classical mechanics, thermo-dynamics, and electricity and magnetism. **Prerequisite:** Mathematics 201, 202 or taken concurrently. **Three hours lecture and one two-hour laboratory per week.**

307. MODERN PHYSICS 1 **4 hours credit**

A study of modern physics as distinguished from classical physics. Major topics are physical optics, relativistic mechanics, and the wave particle duality of matter. Taught alternate years. **Prerequisite:** Physics 202. **Three hours lecture and one two-hour laboratory per week.**

308. MODERN PHYSICS II **4 hours credit**

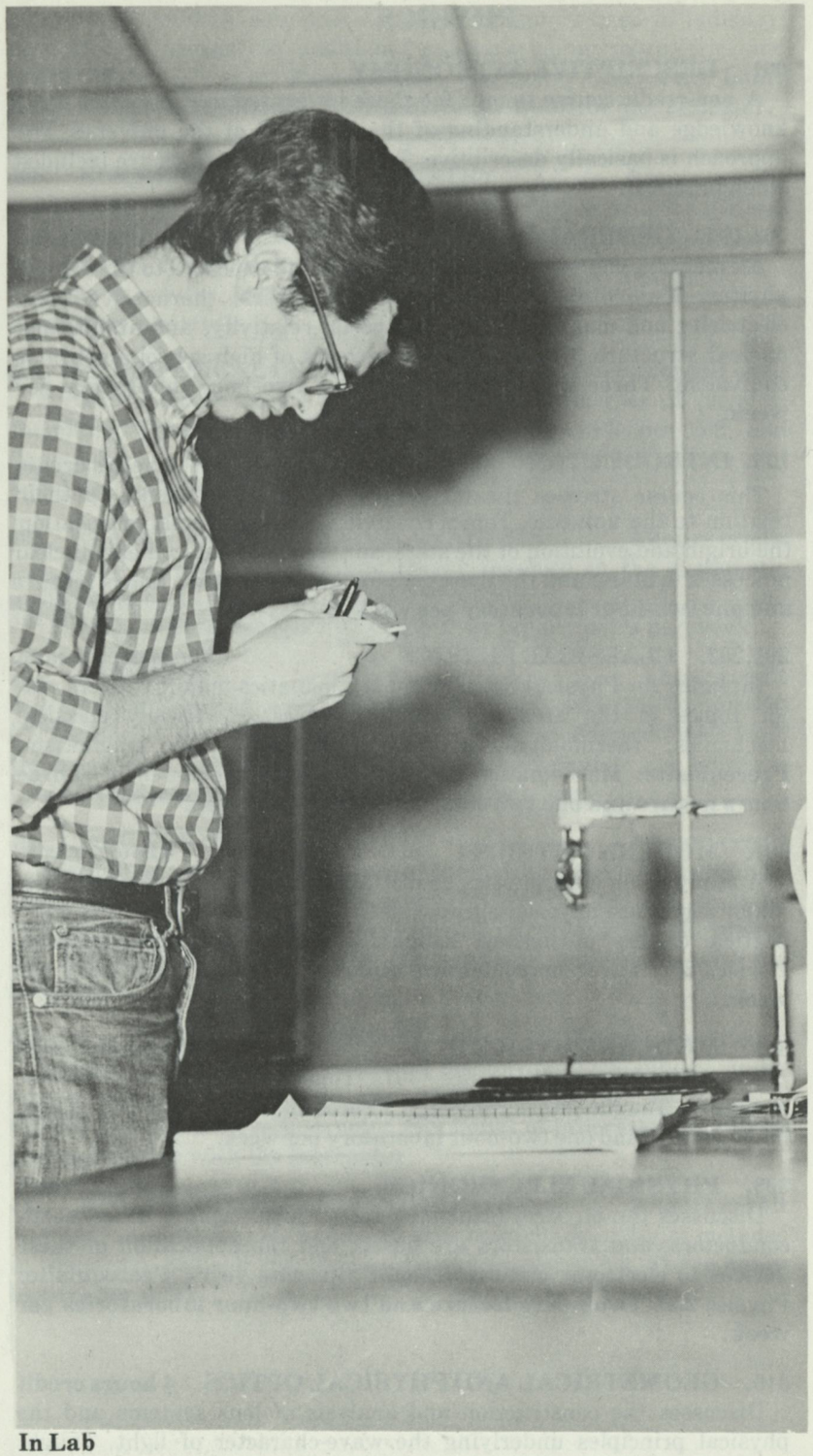
A continuation of Physics 307. Topics: Atomic and nuclear structure. Taught alternate years. **Prerequisite:** Physics 307. Three hours lecture and one two-hour laboratory per week.

309. PHYSICAL ELECTRONICS **4 hours credit**

Discusses the physical principles upon which vacuum tubes, semiconductors, and transistors are based; and the application of these devices to electronic circuits. Taught alternate years. **Prerequisite:** Physics 202. **Two hours lecture and two two-hour laboratories per week.**

310. GEOMETRICAL AND PHYSICAL OPTICS **4 hours credit**

Discusses the construction and analysis of lens systems and the physical principles underlying the wave-character of light. Taught



In Lab

alternate years. **Prerequisite:** Physics 202. **Two hours lecture and two two-hour laboratories per week.**

311. ASTROPHYSICS **4 hours credit**

Major topics are celestial mechanics and stellar structure, with major emphasis in the laboratory being spectroscopic analysis of stellar systems. **Prerequisite:** Physics 202. **Two hours lecture and two two-hour laboratories per week.**

SCIENCE

201. PHYSICAL **3 hours credit**

This course is intended for students majoring in the areas other than the sciences. Materials are selected primarily from the fields of physics and astronomy. **Two hours lecture and one two-hour laboratory per week.**

202. PHYSICAL **3 hours credit**

A course similar to Science 201, except the material is selected primarily from the field of chemistry. **Two hours lecture and one two-hour laboratory per week.**

304. SELECTED PRINCIPLES OF CHEMISTRY **3 hours credit**

A course primarily for students in the teacher education curriculum seeking greater proficiency in science. Included are topics selected from areas of organic and elementary physiological chemistry. **Prerequisite:** Science 202. **Two hours lecture and one two-hour laboratory per week.**

305. SELECTED PRINCIPLES OF PHYSICS **3 hours credit**

Some of the principles included in Science 201, 202, as well as additional ones, are studied in greater detail. Emphasis is placed on electricity, light and sound. **Prerequisite:** Science 201. **Two hours lecture and one two-hour laboratory per week.**

500. THE ROLE OF SCIENCE IN MODERN CIVILIZATION **3 hours credit**

An historical consideration of the development of the scientific approach and a critical analysis of its continuing role in modern civilization. **Three hours per week.**

503. ADVANCED PHYSICAL SCIENCE I **3 hours credit**

A study of selected basic concepts of physical science in the areas commonly encountered in elementary and general science teaching. Areas of study include atomic structure, radiation and nuclear energy. **Prerequisite:** Science 201, 202 or equivalent. **Two hours lecture and one two-hour laboratory per week.**

504. ADVANCED PHYSICAL SCIENCE II **3 hours credit**

A study of selected basic concepts of physical science in areas commonly encountered in elementary and general science teaching selected from the areas of systematic and applied organic chemistry.

Prerequisite: Science 201, 202 or equivalent. **Two hours lecture and one two-hour laboratory per week.**

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in Master's degree program under director of departmental supervision.

POLITICAL SCIENCE

PROFESSOR SHEN; INSTRUCTOR BASEHART.

The Political Science curriculum is designed to give students an understanding of political organizations and forces in modern society. The courses offered provide a basis for insight into problems involved in relationships between governments and in the relationship of the individual to government. Students with a special interest in Political Science should major in Social Sciences.

201. GOVERNMENT OF THE UNITED STATES **3 hours credit**

A comprehensive study of the national government of the United States. **Three hours per week.**

202. STATE AND LOCAL GOVERNMENT **3 hours credit**

A study of state and local government in the United States emphasizing the nature of state constitutions and local charters, state and local organization, and intergovernmental relations. **Prerequisite:** Political Science 201. **Three hours per week.**

301. POLITICAL PARTIES AND PRESSURE GROUPS **3 hours credit**

A descriptive and analytical examination of American political parties and pressure groups with attention given to political socialization and voting behavior. **Prerequisite:** Political Science 201. **Three hours per week.**

303. THE PRESIDENCY IN AMERICAN POLITICS **3 hours credit**

A study of the influence of personality and institutionalization on presidential leadership. Special emphasis will be placed on the President's relationship with the federal bureaucracy, Congress and the Supreme Court. **Prerequisite:** Political Science 201. **Three hours per week.**

308. METHODS OF POLITICAL ANALYSIS **3 hours credit**

A discussion of source material research techniques and the critical evaluation of accomplished research. An analysis of different theoretical approaches to the study of politics will be included. **Prerequisite:** Political Science 201. **Three hours per week**

310. COMPARATIVE GOVERNMENT **3 hours credit**

A comparative study of the governmental systems and political processes of Great Britain, the Soviet Union, France, Germany, and

other selected countries in Europe, America, and Asia. **Prerequisite:** Political Science 201. **Three hours per week.**

401. POLITICAL THEORY **3 hours credit**

A survey of political thought based on the analysis of ideas of leading ancient, medieval and modern theorists including the historical setting of major theories, their impact on political institutions and social changes, and their contemporary significance. **Prerequisite:** Political Science 201. **Three hours per week.**

402. AMERICAN POLITICAL THEORY **3 hours credit**

A survey of the political concepts of the leading American theorists and the impact of these concepts on the American society from the colonial period to the present. **Prerequisite:** Political Science 201. **Three hours per week.**

410. INTERNATIONAL RELATIONS **3 hours credit**

A study of major factors underlying international relations including methods of conducting foreign relations, formation of foreign policies of major powers, and means of dealing with international conflicts. **Prerequisite:** Political Science 201. **Three hours per week.**

411. INTERNATIONAL LAW **3 hours credit**

A survey of the general principles and special rules of international law as well as its recent trends and its relations to other aspects of international affairs. **Prerequisite:** Political Science 201. **Three hours per week.**

412. GOVERNMENT AND POLITICS OF LATIN AMERICA **3 hours credit**

A comparative study of politics and governments in selected countries in Latin America. **Three hours per week.**

420. INTERNATIONAL ORGANIZATION **3 hours credit**

A study of the bases of international organization and factors influencing their development, and considering also the functions and problems of such organizations as well as the future of the world community. **Prerequisite:** Political Science 201. **Three hours per week.**

430. LEGISLATIVE PROCESS IN THE UNITED STATES **3 hours credit**

An inquiry into the structural characteristics and functions of congress and state legislatures. Factors that affect legislative decision making will also be given careful consideration. **Prerequisite:** Political Science 201. **Three hours per week.**

431. LOCAL GOVERNMENT IN THE UNITED STATES **3 hours credit**

An examination of county, metropolitan and municipal governments with emphasis on a description of these political

subsystems, their place in the federal system, and the relationship between socio-economic environment, governmental structure and public policy. **Prerequisite:** Political Science 201. **Three hours per week.**

500. PROBLEMS OF WORLD POLITICS **3 hours credit**

A study of the political problems and issues among the nations, such as propaganda, causes of war, armaments control, and neutrality, which affect the peace and security of the United States and other nations. **Three hours per week.**

PSYCHOLOGY

ASSOCIATE PROFESSOR DELANEY (Chairman); PROFESSOR MAY; ASSISTANT PROFESSOR ULM; INSTRUCTORS FLATT, LEVINE, RINEHART, WHITEHEAD.

Bachelor of Arts requirements for a major in Psychology include not less than twenty four or more than thirty-six semester hours in Psychology, plus two collateral areas of twelve hours each in other academic disciplines selected by the student. Six hours in each collateral discipline must be in courses at the junior-senior level. Required courses in Psychology include the following: 201, 202, 304, 305, 107, and 408. Twelve semester hours in a foreign language are required.

201. GENERAL PSYCHOLOGY **3 hours credit**

A survey of general principles underlying human behavior including study of the nervous system, perception, learning, emotion, and personality. Experimental findings are applied to practical situations. **Three hours per week.**

202. THEORY OF MEASUREMENTS **3 hours credit**

Methods of design of psychological experiments and analysis of data. **Prerequisite:** Psychology 201. **Three hours per week.**

300. DEVELOPMENTAL PSYCHOLOGY **3 hours credit**

A study of human development from conception to senescence with emphasis on developmental stages: Early childhood school age, adolescence, early adulthood, middle age, old age. **Prerequisite:** Psychology 201 or consent of instructor. **Three hours per week.**

304. EXPERIMENTAL PSYCHOLOGY **3 hours credit**

Study of the experimental method and its application to psychological research in both animals and humans. **Prerequisite:** Psychology 201 and 202. **Three hours per week.**

305. PSYCHOLOGY OF LEARNING **3 hours credit**

A survey of the basic facts and principles related to learning with special emphasis on perception, memory, discrimination, and cognition. **Prerequisite:** Psychology 201. **Three hours per week.**

306. SOCIAL PSYCHOLOGY **3 hours credit**

Study of group behavior of humans with emphasis on the relation of the individual to the group. Mass reaction and judgment, group control, and group influence on the individual are considered. **Prerequisite:** Psychology 201. **Three hours per week.**

307. PSYCHOLOGY OF INFANCY AND CHILDHOOD **3 hours credit**

An intensive study of human development from conception to adolescence. Major emphasis is placed on patterns of the normal or typical child. **Prerequisite:** Psychology 201. **Three hours per week.**

309. EDUCATIONAL PSYCHOLOGY **3 hours credit**

Study of the physical, intellectual, social, and emotional development of the child in relationship to maturation, learning, and social behavior especially in the classroom. **Prerequisite:** Psychology 201. **Three hours per week.**

310. INDUSTRIAL PSYCHOLOGY **3 hour credit**

A survey of the application of psychological theory, techniques and research to business and industry. Topics such as personnel selection, training efficiency, job satisfaction and morale, safety and design equipment, consumer psychology, and others will be considered. **Prerequisite:** Psychology 201. **Three hours per week.**

311. PSYCHOLOGY OF ADOLESCENCE **3 hours credit**

A study of the physical, intellectual, emotional, and social development of the adolescent. **Prerequisite:** Psychology 201. **Three hours per week.**

312. PSYCHOLOGY OF AGING **3 hours credit**

A study of human development from early adulthood to senescence. **Prerequisite:** Psychology 201 or consent of instructor. **Three hours per week.**

315. INTRODUCTION TO THE PSYCHOLOGY OF MENTAL RETARDATION **3 hours credit**

A study of the symptoms, causes, diagnosis, assessment, and treatment of mental retardation. **Prerequisite:** Psychology 201 or consent of instructor. **Three hours per week.**

401. PSYCHOLOGY OF THE EXCEPTIONAL CHILD **3 hours credit**

A study of children who vary from the norm including the gifted, physically handicapped, mentally handicapped, socially handicapped, emotionally disturbed, etc. **Prerequisite:** Advanced standing in Psychology. **Three hours per week.**

403. INTRODUCTION TO PSYCHOLOGY OF MEASUREMENT AND EVALUATION **3 hours credit**

Study of the testing movement, basic statistics involved in testing, and the use of tests in educational and clinical practice. Representative

tests are considered. **Prerequisite:** Psychology 202 or permission of instructor. **Three hours per week.**

405. ABNORMAL PSYCHOLOGY **3 hours credit**

Study of the aspects of severe adjustment disorders including their nature, origin, treatment and relationship to normal behavior. **Prerequisite:** 6 semester hours of psychology. **Three hours per week.**

407. PSYCHOLOGY OF PERSONALITY **3 hours credit**

Study of the origin and development of the human personality and factors influencing its growth. Attention is given to the development of both normal and deviant patterns. **Prerequisite:** Psychology 201. **Three hours per week.**

408. SYSTEMS IN PSYCHOLOGY **3 hours credit**

Study of basic integrating theories of psychology used in explanation of the total scientific findings. **Prerequisite:** Advanced standing in Psychology. **Three hours per week.**

410. INDIVIDUAL DIRECTED STUDY **3 hours credit**

A course designed to enable advanced students to pursue through observation, experimentation, or library research a topic of their choosing. **Prerequisite:** Advanced standing and consent of instructor.

412. PHYSIOLOGICAL PSYCHOLOGY **3 hours credit**

The investigation or morphological, neurochemical, and physiological bases of behavior. **Prerequisite:** 12 semester hours of Psychology or permission of the instructor. **Three hours per week.**

415. MOTIVATION AND EMOTION **3 hours credit**

A survey of experimental findings and theory of processes that energize and direct behavior. **Prerequisite:** Pscyhology 201 and advanced standing. **Three hours per week.**

420. CURRENT PSYCHOLOGICAL PROBLEMS **1 hour credit**

Studies in current phychological problems engaging the services of specialists in dealing with these problems. **Prerequisite:** College degree or consent of instructor.

425. PSYCHOLOGY PRACTICUM **3 hours credit**

A course designed to provide the Psychology major with actual training experiences in a variety of clinical settings. **Prerequisite:** 15 hours in psychology and consent of instructor. **Three hours per week.**

500. PSYCHOLOGY OF THE MENTALLY RETARDED **3 hours credit**

A study of the causes, evaluation, and care of the mentally retarded, including a survey of curricula and instructional procedures. **Prerequisite:** Advanced standing. **Three hours per week.**

502. INTELLIGENCE TESTING AND INDIVIDUAL ANALYSIS **3 hours credit**

A course dealing with three focal areas: (a) theories of intelligence;

(b) the administration of individual and group intelligence tests, including the Revised Stanford Binet, WISC, and WAIS; (c) interpreting and reporting of intelligence test results. **Prerequisite:** Advanced standing. **Three hours per week.**

503. BEHAVIORAL PROBLEMS IN CHILDREN AND YOUTH **3 hours credit**

Study of behavior problems in children and young people ranging from mild personality disorders to psychoses. Special consideration is given to symptoms, causation, and treatment. **Prerequisite:** Advanced standing. **Three hours per week.**

504. MENTAL HYGIENE **3 hours credit**

A study of the forces influencing the development of the stable and the deviate personality and how most effectively to deal with these factors. **Prerequisite:** Psychology 201 or consent of the instructor. **Three hours per week.**

505. PERSONALITY ASSESSMENT **3 hours credit**

A survey of the techniques of personality evaluation including questionnaires, situational tests, attitude scales and interviewing procedures. **Prerequisite:** Psychology 201 or consent of instructor. **Three hours per week.**

507. PSYCHOTHERAPY AND COUNSELING **3 hours credit**

A study of the philosophical and psychological assumptions and fundamental practices of the major approaches to psychotherapy and counseling in modification of human behavior. **Prerequisite:** College degree or consent of instructor. **Three hours per week.**

510. PROJECTIVE TECHNIQUES

Theory, research findings and clinical applications of major projective techniques employed in clinical psychology.

530. DIRECTED RESEARCH **3 hours credit**

Preparation of optional research project in Master's degree program under direction of departmental supervision.

SOCIAL SCIENCE

PROFESSOR WROTEN (Chairman); and faculty members of the Departments of Economics, Geography, History, Political Science, and Sociology.

Courses for students seeking a major in Social Science are drawn from the following: Economics, Geography, History, Political Science, and Sociology. Bachelor of Arts requirements for a major in Social Science include History 101-102, 201-202; Geography 201-202, Political Science 201, Economics 201 and three additional hours in Economics, Sociology 211, and twenty-one additional hours in upper division

courses in the social sciences, including at least six additional hours in History. To satisfy the language requirement for a major in Social Science a student must make a passing grade in Language 112 or the proficiency demonstrated in a test administered by the Language Department.

Social Science majors seeking certification for public school teaching meet the additional requirement of the following courses in Education: 300, 305, 306, 309, 334, 410, and 432.

400. CURRENT PROBLEMS **3 hours credit**

A study is made of either general or special topics of our times. The topics are considered from historic aspect and the present social and cultural setting in which they occur. **Three hours per week.**

SOCIOLOGY

PROFESSOR SHOPE (Chairman): ASSOCIATE PROFESSORS BANDYK, TALBOT, TERZOPOULOS.

Bachelor of Arts requirements for a major in Sociology include not less than twenty-four nor more than thirty hours in Sociology (of the 120 required for graduation), plus the approved 24 hours in two collateral areas in other disciplines selected by the student with the advisor's (or other) approval, plus 12 hours of language or 12 hours in an interdisciplinary (or other) collateral. One half of the semester hours in each collateral must be on the junior-senior (300-400) level, and the average of all hours counted toward the major must be C or 2.0.

The combined thirty-six collateral hours provide opportunities for the following options: 1) Three supporting collaterals of twelve hours each, 2) A second major plus twelve hours of a foreign language, 3) A second major plus twelve hours in any supporting discipline, 4) A second major plus an interdisciplinary collateral of twelve hours drawn from the supporting courses of other departments (The official list of approved courses is available).

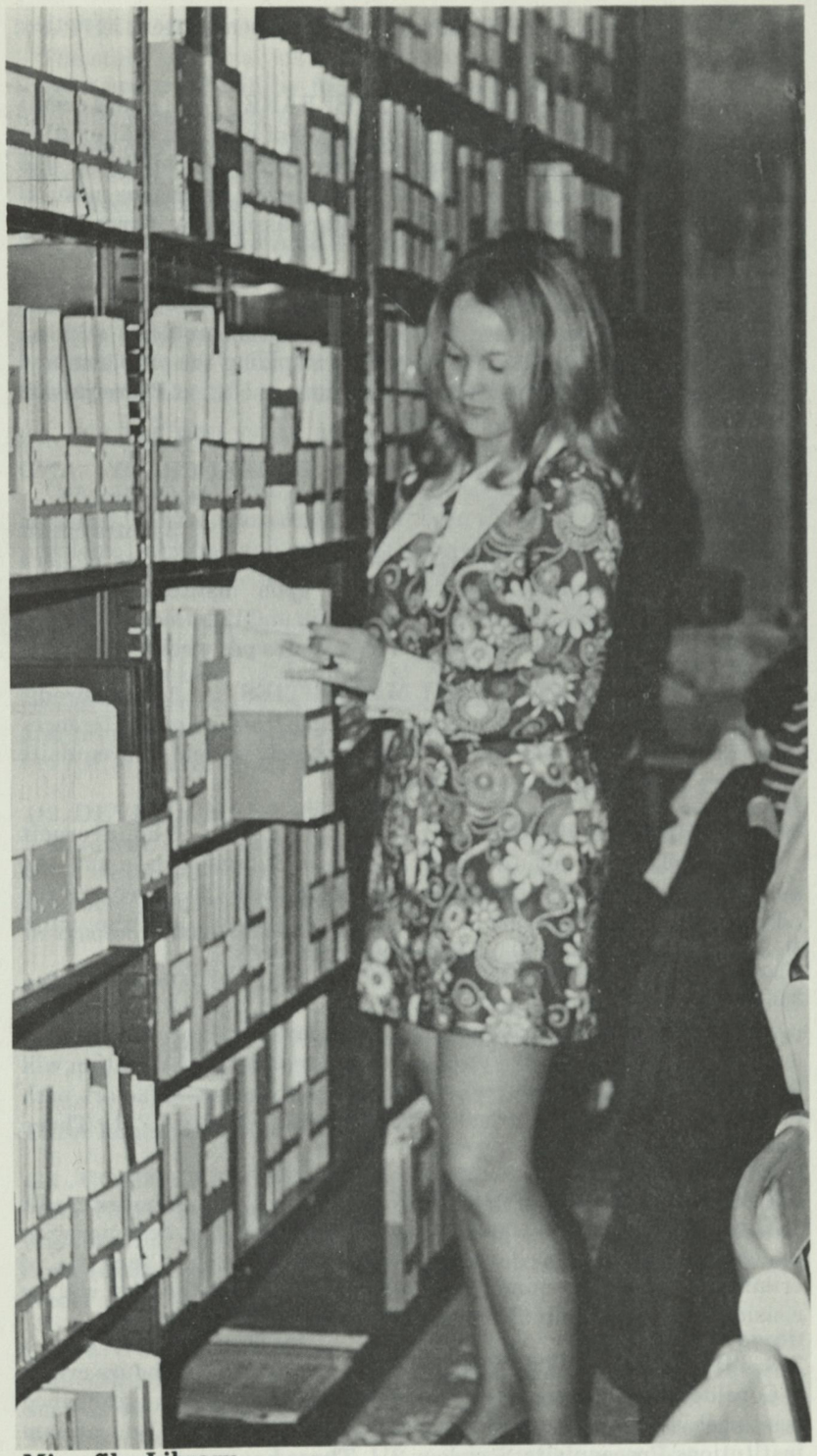
The Department of Sociology also offers for majors in Sociology a special collateral of twenty-four semester hours in Social Welfare as preparation for service in the social work profession. The required courses are those in Sociology and 271, 371, 372, 471, 473, 475, 477, and 478 for Social Welfare.

211. INTRODUCTION TO SOCIOLOGY **3 hours credit**

A study of the interrelationships of men and groups, the evolving social processes, structures, and systems and the continuing but changing society that results. **Three hours per week.**

212. CULTURAL ANTHROPOLOGY **3 hours credit**

An analysis of the concept of culture as man's social heritage



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through comparative studies of primitive and non-western societies. **Three hours per week.**

271. INTRODUCTION TO SOCIAL WELFARE **3 hours credit**

The roots of social welfare in the experience of man. An examination of the significance of the social experiences of childhood and adolescence as critical periods of adjustment leading to cultural consciousness and the need for social welfare assistance. **Three hours per week.**

311. SOCIAL PROBLEMS **3 hours credit**

Identification of selected contemporary social problems with an application of sociological theory for understanding the problems and for identifying possible methods of correction or solution.**Prerequisite:** Sociology 211. **Three hours per week.**

312. FORMAL ORGANIZATIONS, BUREAUCRACY AND CHANGE **3 hours credit**

Analysis of the transformation of social organizations into modern bureaucratic structures, with emphasis upon institutionalization, patterns of authority, impact on personality, and the process of social change.**Prerequisite:**Sociology 211. **Three hours per week.**

314. RACIAL AND CULTURAL MINORITIES **3 hours credit**

A study of the cultural problems resulting from ethnic differences and the social processes by which society solves them **Prerequisite:** Sociology 211. **Three hours per week.**

315. URBAN SOCIOLOGY **3 hours credit**

The development of the city as a social organization and the emergence of modern urbanism. Attention will be given to the advantages, disadvantages, and the challenges of the city. **Prerequisite:** Sociology 211. **Three hours per week.**

316. THE FAMILY **3 hours credit**

A study of the family as a functioning social institution with consideration of the role behavior expected of its members. Attention will be given to differences due to ethnic, class, or economic factors with emphasis upon current trends. **Prerequisite:** Sociology 211. **Three hours per week.**

317. CRIME AND DELINQUENCY **3 hours credit**

The study of crime and deliquency as forms of deviant behavior with an examination of social causes and social reactions. Varieties of criminal behavior, criminological controversies, and theories will be considered.**Prerequisite:**Sociology 211. **Three hours per week.**

318. THE SOCIOLOGY OF RELIGION **3 hours credit**

Consideration of religion as a universal institution with established relationships with family, economic, political, and educational institutions.**Prerequisite:**Sociology 211. **Three hours per week.**

319. THE SOCIOLOGY OF EDUCATION **3 hours credit**

The study and analysis of the public school as a social institution. Special attention will be focused on the bureaucratic nature of the institution, on the role of the school in society, on the social status of teachers, on the reality of the community power structures, and on the current forces working for or against change. **Prerequisite:**Sociology 211. **Three hours per week.**

371. SOCIAL WELFARE AS A SOCIAL INSTITUTION I **3 hours credit**

A study of social welfare in the United States and other selected societies. The philosophical and political base underlying social approaches to the fulfillment of common human needs. **Prerequisites:** Sociology 211 and 271 or consent of instructor. **Three hours per week.**

372. SOCIAL WELFARE AS A SOCIAL INSTITUTION II **3 hours credit**

Comparison of kinds of programs and services offered to various segments of American society with those of other countries in terms of problems, services, and administrative efficiency. **Prerequisite:**371 or consent of instructor. **Three hours per week.**

411. THEORY AND METHODS OF SOCIAL RESEARCH **3 hours credit**

An introduction to sociological methods employed in successful research. Basic theory, collection, analysis, and interpretation of data, and preparation of reports. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

412. DEVELOPMENT OF SOCIAL THOUGHT **3 hours credit**

A survey of the development of sociology as a scientific discipline with emphasis upon differing and persistent theoretical and methodological orientations. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

413. THE SOCIOLOGY OF SMALL GROUPS **3 hours credit**

The study of the small primary (face-to-face) group, including basic concepts ofgrouplife, interpersonal relationships and their implications for effective communication and leadership in the fields of education, industry, etc. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

414 . COMMUNITY ORGANIZATION **3 hours credit**

A critical examination of urban communities, their structures, organization, social processes, value systems, and use of social power. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

415 SENIOR SEMINAR **3 hours credit**

Investigation of selected areas of sociological theory and research, such as the Sociology of planning, Community Participation in Social Welfare, Collective Behavior or Civil Disobedience. **Prerequisite:** Sociology 211 and consent of instructor. Three hours per week.

416. INDIVIDUAL DIRECTED STUDY **3 hours credit**

Intensive study in a selected and specific area of sociology through observation, experimentation, or library research. Open only to advanced students of outstanding ability majoring in Sociology. **Prerequisite:** Sociology 211 and consent of instructor. **Three hours per week.**

417. THE SOCIOLOGY OF PUBLIC ADMINISTRATION **3 hours credit**

Major problems, issues and considerations in the administration, and supervision of public agencies, organizations, and associations operated as a public service. Current trends and recent developments in the field of Public Administration will be examined. **Prerequisite:** Sociology 211. **Three hours per week.**

418. ANALYSIS OF SMALL GROUP PARTICIPATION **3 hours credit**

Participation in an on-going group, with continuing analysis of the group's development and the factors affecting the participation of the members. **Prerequisite:** Six hours of Sociology, including Sociology 211 or consent of instructor. **Three hours per week.**

471. SOCIAL WORK METHODS **3 hours credit**

Basic studies in social work methods with emphasis on the techniques of intervention. Attention will be given to individual and family counseling, group leadership and group counseling, and to neighborhood organization, and community development. **Prerequisites:** Soc. 271, 371 and 372 or consent of instructor. **Three hours per week.**

473. FIELD EXPERIENCE IN SOCIAL WORK I **3 hours credit**

Social work practice experience achieved through placement and participation in a community service or program. Emphasis will be placed upon the use of observation, communication, data gathering and interpretation, goal information, and utilization of community resources that these skill-concepts may become significant to the student as a person. To be taken concurrently with 477 or 478. **Prerequisites:** 271, 371, 372 and 471. **Three hours per week.**

475. FIELD EXPERIENCE IN SOCIAL WORK II **3 hours credit**

Direct experience in the actual delivery of social services within the assigned setting with increased emphasis on relationships and interaction. The experience of actively working with people should produce greater awareness of social work values and the values of other helping professions. To be taken concurrently with 477 or 478. **Prerequisites:** 271, 371, 372 and 471. **Three hours per week.**

477. SOCIAL WELFARE SEMINAR **3 hours credit**

Integration of human needs, ethical issues of intervention, cultural values, and need for practical solutions to social welfare problems discovered in the field experience. To be taken concurrently with 473 or 475. **Prerequisites:** 271,371, 372 and 471 or consent of instructor. **Three hours per week.**

478. POLICIES AND ISSUES IN SOCIAL WELFARE **3 hours credit**

Exploration of current concerns within the social work profession. Attention will be given to the dilemmas in policy formation in selected practices across disciplines. To be taken concurrently with 473 or 475. **Prerequisites:** 271,371, 372 and 471 or consent of instructor. **Three hours per week.**

499. EXPERIMENTAL SOCIOLOGY **3 hours credit**

Numbers reserved for courses approved by the Academic Council as an experimental response to student interest or community need. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

511. SOCIAL PLANNING **3 hours credit**

Scientific methods for the introduction of new or the changing of established programs involving the study of attitudes, objectives, and methods of winning and retaining support. **Prerequisite:** 6 hours of Sociology or consent of instructor. **Three hours per week.**

512. GRADUATE SEMINAR IN SOCIOLOGY **3 hours credit**

Study and discussion of a selected topic of sociological significance, such as: Social Movements, Roots of Social Inequality, Analysis of Social Power or the Management of Conflict. **Prerequisite:** Six hours of Sociology or consent of instructor. **Three hours per week.**

SPANISH

(See Modern Languages)

SPEECH & THEATRE

ASSOCIATE PROFESSOR WESLEY (Chairman): ASSOCIATE PROFESSOR STARNES, ASSISTANT PROFESSOR WILKERSON, INSTRUCTOR CLOYD, SORENSON.

Bachelor of Arts requirements for a major in Speech and Theatre include satisfactory completion of not less than twenty-six hours nor more than thirty-five semester hours in Speech, plus two collateral areas of twelve hours each in other academic disciplines selected by the student. Six hours in each collateral discipline must be at the junior-senior (300-400) level. Required courses in Speech include the following: 100,201,205,120, 225, (and 410 if planning to teach).

Speech majors seeking certification in secondary education will substitute in place of the two collateral areas the following courses in Education: 300,305,306,309,338,410, and 432. It is also recommended that teacher education students elect twenty four semester hours in English.

100. FUNDAMENTALS OF SPEECH **3 hours credit**

Exercises in methods of research, in the selection and organization of materials, and in the process of oral communication. **Three hours per week.**

110. ESSENTIALS OF PARLIAMENTARY PROCEDURE **1 hour credit**

Designed for the individual who takes part in or presides over group meetings, and whose desire is to dispose of the business of a meeting with efficiency. Includes organization and conduct of meetings, description and forms of motions. **One hour per week.**

115. STAGECRAFT **3 hours credit**

Practical experience in technical theatre including set design, construction and lighting. Laboratory experiences. **Three hours per week.**

120. INTRODUCTION TO THEATRE **3 hours credit**

An introduction to theatre as a unified art with emphasis upon the literary and social significance of theatre in our society. **Three hours per week.**

201. ELEMENTS OF VOICE AND DICTION **3 hours credit**

Study of the fundamentals of voice production and articulation. Designed to establish good habits of speech through analysis of each student's voice, articulation, and pronunciation, with directed exercises for improvement. **Three hours per week.**

205. INTERPERSONAL COMMUNICATION **3 hours credit**

A study of the factors that motivate and determine communication or non-communication among individuals, of the psychological barriers and inducements to open communication, and the effects of these factors upon the persons involved. **Three hours per week.**

215. ACTING **3 hours credit**

A study of the theory and basic principles of the creative process of acting with an emphasis on physical, mental, and emotional process in the building of a dramatic character. **Prerequisite:** consent of instructor. **Three hours per week.**

225. ORAL INTERPRETATION OF LITERATURE **3 hours credit**

An approach to the study of literature through the medium of oral performance. May be counted as an English elective for majors in English. **Three hours per week.**

230. SPEECH **3 hours credit**

The Mass Media and Society: A critical inquiry into the persuasive elements generated through the mass media, and the resulting influence the media exerts upon the society it serves. (See English 230.) **Three hours per week.**

304. DIRECTING **3 hours credit**

A study of the theory and basic principles, skills, and techniques underlying direction. Student directed theatre production required. **Prerequisite:** Consent of instructor. **Three hours per week.**

310. DYNANMICS OF GROUP DISCUSSION **3 hours credit**

A study of the problems of adjustment, communication and collaborative action in small face-to-face groups. **Three hours per week.**

325. ADVANCED ORAL INTERPRETATION **3 hours credit**

Application of the principles of oral interpretation to the study of the various types of literature: prose, poetry, and the drama. **Prerequisite:** Speech 225 or consent of instructor. **Three hours per week.**

403. CREATIVE DRAMATICS IN ELEMENTARY EDUCATION

Emphasis is centered upon the manner in which creative dramatics assist in the growth of the child. The course considers creative dramatics as a motivating factor in the teaching and learning process. **Three hours per week.**

404. PROBLEMS IN EDUCATIONAL THEATRE **3 hours credit**

To assist teachers who are, or expect to be, supervising dramatic activities in secondary schools with such problems as choice of literature, casting, directing, organization of student help, and inexpensive methods of production. **Prerequisite**: Speech 304 or consent of instructor. **Three hours per week.**

410. SPEECH CORRECTION AND THE CLASSROOM TEACHER **3 hours credit**

A study of childhood speech and hearing disorders and methods for the classroom teacher in effectively dealing with student referral, the promotion of good speech habits, and therapeutic reinforcement. **Three hours per week.**

420. INDEPENDENT STUDY **3 hours credit**

A specific area of speech (public address, oral interpretation, theatre, speech education) may be selected for investigation through experimentation, research, or by means of creative and original work, **Prerequisite:** Consent of instructor. Hours arranged. **Three hours per week.**

500. ORAL READING OF POETRY AND PROSE **3 hours credit**

Principles of effective oral reading of literature. Designed to assist the classroom teacher in communicating an appreciation of literature to others. Primarily for non-speech majors. **Three hours per week.**

DIVISION OF GRADUATE STUDY

Salisbury State College is approved for graduate instruction by the Middle State Association of Colleges and Secondary Schools and the Maryland State Board of Education. The College offers programs leading to the Master of Education Degree and the Master of Arts Degree in History. Provision is also made for teachers seeking regular or advanced certification and for general students seeking graduate credit in professional education and in various academic fields.

Graduate study during the regular academic year is normally conducted in the Evening Program of the College. Designed for part-time students, this program consists mainly of graduate courses meeting once weekly throughout the semester in sessions of approximately three hours each. A limited number of courses open both to graduate students and advanced undergraduates is also available in the regular daytime program. Generally, full-time graduate study for the Master of Education Program is available only in summer and students enrolling in both terms of the Summer Session may normally earn twelve hours of graduate credit. For the Masters of Arts Program in History full-time graduate study is usually offered every term.

OBJECTIVES

The primary objective of the graduate program at Salisbury State College is to provide opportunities for specialized training and consequent professional advancement for qualified students. The program is designed to assist these students in attaining greater mastery of their fields of special interest to improve skills in pursuing independent study, and to increase professional ability through study of new findings in fields of both teaching and learning. The College also recognizes an obligation to college graduates residing in the general community of the Eastern Shore and seeks to offer a constructive program at the graduate level for the benefit of all who are qualified.

ADMISSION

To be eligible for admission to the graduate program, the applicant must hold a bachelor's degree from an accredited institution of higher learning. Admission to Salisbury State College is granted without regard to race, color, religion, or sex.

Students seeking to enroll in graduate courses may obtain applications on request to the Graduate Division. The applying student must request the Registrar of his undergraduate institution to forward two transcripts of his record directly to the Director of Graduate Studies. Admission to the graduate program can be granted only on the tentative basis until such transcripts have been received by the Graduate Division.

ADMISSION TO CANDIDACY: MASTER OF EDUCATION DEGREE

To be eligible for admission to candidacy for the Master of Education Degree, the applicant must meet the following additional requirements:

1. Satisfactory completion of at least nine semester hours, ordinarily included in the undergraduate curriculum in Education, in courses dealing with testing and measurement, human growth and development, and methods of teaching. The course in testing and measurement is prerequisite to Education 502. Courses in both human growth and development,, and methods of teaching are prerequisite to each of the following: Education 500, 510, and 514.
2. Submit satisfactory scores on the Graduate Record Examination aptitude test and one advanced test.
3. Earn an average of B or higher on at least twelve hours of graduate courses completed at Salisbury State College in the master's degree program. This requirement may be waived for students who earned an overall average of B or higher in their undergraduate programs. Candidates for a Master of Education Degree should apply after having earned an overall average of B or higher in twelve (12) hours and not later than having completed eighteen (18) hours. Graduate degree studies are reguired to earn a minimum of fifteen (15) semester hours of graduate credit after admission to candidacy.
4. Completion of at least two years of successful teaching experience
5. Submit the completed application for admission to candidacy to Director of Graduate Studies for action.

THE MASTER OF EDUCATION DEGREE

Students seeking the Master of Education Degree at Salisbury State College shall complete an approved program of study including at least thirty-three semester hours with an average of B or higher, and with no grade lower than C.

The following courses in Education are required (12 semester hours):

Education 500*	HISTORICAL AND SOCIAL FOUNDATIONS
Education 502*	INTRODUCTION TO RESEARCH
Education 510*	SEMINAR: RECENT ISSUES IN EDUCATION
Education 514*	SEMINAR IN CURRICULUM CONSTRUCTION

*For prerequisites see Item No. 1 under Admission to Candidacy: Master of Education Degree.

Additional requirements for the Master of Education Degree may be met under either of the two following programs ;

PROGRAM A: primarily for teachers in Elementary Education (21 semester hours).

1. Six semester hours in approved courses in methodology.

2. Free Electives: Twelve semester hours, at least half of which shall be at the 500 level, in areas other than Education.

3. Choice of Research Project for three hours credit, **or** an approved course substitute of at least three semester hours. Those electing the course substitute will satisfactorily complete at least two formal research papers in connection with their courses in Education. Those electing the Research Project will complete and submit the approved project to their advisor and satisfactorily complete an oral examination on the project, to be scheduled after successful completion of the Masters Degree written examinations.

4. Satisfactory completion of a comprehensive written examination demonstrating the candidate's proficiency in professional education and a representative selection of other courses selected from the candidate's program. These examinations are given three times a year, usually Fall, Spring, Summer. Please check with the graduate office as to exact time, place and procedures.

PROGRAM B: primarily for teachers in Secondary Education (21 semester hours).

1. Eighteen semester hours, at least twelve of which shall be in the area of concentration, to be selected from departments approved by the Graduate Council. At least six hours in the area of concentration shall be selected from courses at the 500-level. Courses outside the area of concentration may be selected from any field.

2. Choice of Research Project in the field of concentration for three hours credit, **or,** approved course substitute of at least three semester hours in the area of concentration. Those electing the course substitute will satisfactorily complete at least one formal research paper in the area of concentration and another in the field of Education. Those electing the Research Project will complete and submit the approved project to their advisor and satisfactorily complete an oral examination on the project, to be scheduled after successful completion of the Masters Degree written examinations.

3. Satisfactory completion of a comprehensive written examination demonstrating the candidate's proficiency in professional education and in the academic area of concentration. These examinations are given three times a year, usually Fall, Spring, Summer. Please check with the graduate office as to exact time, place and procedures.

THE MASTER OF ARTS DEGREE IN HISTORY

A. Qualification for Candidacy:

1. At least fifteen semester hours in History from courses at the 300 level or above, including a course in historiography. Applicants lacking this preparation must make up deficiencies either before or during graduate study.

2. Submit satisfactory scores on the GRE aptitude test and advanced test in History. In special circumstances, the Chairman of the History Department may permit the student to take the advanced test in another field.

B. Course Requirements: Thirty-three semester hours, at least 15 of which shall be at the 500 level, with an average grade of B or higher and no grade below C. The student may choose either Plan I or Plan II in meeting degree requirements. All course selections must be approved by the faculty advisor.

Plan I:

1. Eighteen semester hours in History.
2. Nine semester hours in one minor field (Education, English, Geography, Psychology, etc.)
3. Six semester hours: Thesis in History

Plan II:

1. Twenty-four hours in History
2. Nine semester hours in one minor field (Education, English, Geography, Psychology, etc.)

C. All candidates will satisfactorily complete both a written and an oral examination near the completion of program requirements demonstrating their proficiency in the areas of study undertaken. Students eligible to take the examination should contact the chairman of the History Department.

TRANSFER CREDIT

A maximum of six semester hours of graduate work may be transferred from other accredited institutions provided the proposed transfer hours are "B" or above and provided this work is directly related to the candidate's program as approved by the department concerned and Director of Graduate Studies.

Credits earned by correspondence are not eligible for transfer. Credits earned in extension programs are eligible for transfer, subject to approval by the Director of Graduate Studies, if such credits are acceptable for graduate degree credit by the home institution.

UNDERGRADUATE STUDENT AND GRADUATE CREDIT

An undergraduate who is within six semester hours of meeting the Baccalaureate Degree requirements is permitted to register for up to

six hours of graduate credit to be taken concurrently with the remaining baccalaureate course requirement. This may be undertaken with the approval of the Director of Graduate Studies and with graduate credit to be awarded only upon completion of Baccalaureate Degree requirements by the end of the semester in which the final course requirements were begun.

TIME LIMITATION

All work credited toward the Master's Degree must be completed within seven calendar years from the end of the semester of summer in which such work began. For example, a student who began the Master's Degree program in June 1962 must have completed all requirements for the degree by September 1, 1969.

COMPLETION OF DEGREE REQUIREMENTS

In completing requirements for the Master of Education degree the student must follow these additional procedures:

1. Present following admission to candidacy a brief outline of the research project if this option is chosen. If approved the candidate is usually assigned a second advisor. For those electing the research project, the completed project must be submitted to the advisors by March 1 of the year in which the degree is expected.

2. Complete satisfactorily the written examination for the degree by April 1 of the year in which the degree is expected.

3. Complete satisfactorily an oral examination on the research project, if chosen, by April 1 of the year in which the degree is expected. This examination is administered by three members of the Graduate Faculty designated by the Director of Graduate Studies. Three copies of the project with the signatures of the advisors must be filed by this date with the Director of Graduate Studies.

APPLICATION FOR DEGREE

All candidates for the degree must, at the beginning of the final semester, make application on the appropriate form to the Registrar and pay the required fee. A new application must be completed when a student finds it is necessary to postpone graduation.

FACULTY ADVISORY SYSTEM

On admission to the Master's Degree program, the student is assigned a faculty advisor in the appropriate field of study. Those enrolled in the degree program must submit each application for courses to the faculty advisor for approval of courses selected. The graduate programs of all students should not be just a matter of collecting a stated number of credit hours but should have some reasonable plan and objectives. The major responsibility for advising

graduate students rests upon the faculty advisor. Although the individual student is personally responsible for meeting all requirements and deadlines, the faculty advisor and/or department chairman are responsible for certifying to the Director of Graduate Studies that certain requirements have been met.

REFUND AND WITHDRAWAL PROCEDURES

To receive all funds due on withdrawal from classes, the withdrawing student must submit a completed official withdrawal card to the Office of the Registrar. Refunds to students are computed on the basis of the date on which this card is filed with the Registrar. Students failing to comply with this regulation forfeit all rights to refunds and receive a grade of F for courses dropped unofficially.

Part-time students (except in summer) officially withdrawing from graduate courses within two weeks following the Registration Day for such courses will receive a refund of tuition less $10.00. *After the initial two weeks, no refund is made.*

GRADUATE COURSES

Courses at the 500 level are available for graduate credit only. Courses at the 400 level appearing in the list which follows may be taken either for graduate credit or for advanced undergraduate credit. Graduate students enrolled in such courses are expected to do graduate level work. "The work of graduate students registered in a 400-level course, to which undergraduates are also admitted, should be superior to that of the underclassmen. It is the responsibility of the individual instructor to define precisely the quality and/or quantity of work that he expects from the members of the class.

It follows that the instructor may reasonably anticipate work of the highest level of competency from those graduate students enrolled in a 500-level course."

Campus Scene

Commencement

COURSES AVAILABLE FOR GRADUATE CREDIT

BIOLOGY 423 Electron Microscopy I, Techniques
BIOLOGY 435 Cytology
BIOLOGY 501 Modern Concepts in Biology
BIOLOGY 502 Biology & Environment

BUSINESS ADMINISTRATION 406 Marketing Management

ECONOMICS 401 Economic Thought
ECONOMICS 402 Comparative Economic Systems
ECONOMICS 406 Economics of Poverty
ECONOMICS 410 The American Economy
ECONOMICS 412 Problems in American Economic Life

EDUCATION 405 The Law and Public Education
EDUCATION 406 Philosophy of Education
EDUCATION 408 Children's Literature
EDUCATION 412 Curriculum and Methods in Elementary School Physical Education
EDUCATION 413 Teaching Social Studies in the Elementary School
EDUCATION 417 Teaching Language Arts in the Elementary School
EDUCATION 418 Teaching Math in the Elementary School
EDUCATION 419 Teaching Music in the Elementary School
EDUCATION 420 Foundations of Reading Instruction
EDUCATION 421 The Teaching of Reading Vocabulary
EDUCATION 422 Reading in the Secondary School
EDUCATION 425 The Language-Centered English Curriculum
EDUCATION 427 Reading Disabilities
EDUCATION 432 Measurement and Evaluation
EDUCATION 435 Guidance
EDUCATION 436 Vocations: Development and Appraisal
EDUCATION 446 Introduction to Early Childhood Education
EDUCATION 447 Experiences and Materials for Early Childhood
EDUCATION 448 Problems of Early Childhood Education
EDUCATION 450 Social Studies in Early Childhood Education
EDUCATION 451 Mathematics in Early Childhood Education
EDUCATION 452 Science in Early Childhood Education
EDUCATION 453 Communication Arts in Early Childhood Education
EDUCATION 460 Methods and Curriculum for Teaching the Mentally Retarded
EDUCATION 461 Seminar: Teaching the Mentally Retarded
EDUCATION 500 Historical and Social Foundations
EDUCATION 502 Introduction to Research
EDUCATION 505 The Law and Professional Negotiation

EDUCATION 506 Seminar in the Teaching of Mathematics
EDUCATION 508 Seminar: Research in Human Development
EDUCATION 510 Seminar: Recent Issues in Education
EDUCATION 512 Problems of Teaching Social Studies
EDUCATION 513 Seminar in the Teaching of Science
EDUCATION 514 Seminar in Curriculum Construction
EDUCATION 516 Public School Administration
EDUCATION 517 Public School Supervision
EDUCATION 520 Reading Diagnosis and Correction
EDUCATION 530 Directed Research
EDUCATION 535 The Role of the Supervising Teacher
EDUCATION 540 Counseling: Theory and Practice
EDUCATION 541 Guidance Techniques in Elementary School
EDUCATION 542 Guidance Techniques in Secondary School
EDUCATION 543 Supervised Practicum in Guidance
EDUCATION 598 Intergroup Relations in the School
ENGLISH 401 English Drama
ENGLISH 402 Modern Drama
ENGLISH 403 The English Novel
ENGLISH 404 Introduction to Folklore
ENGLISH 405 Shakespeare
ENGLISH 406 The American Novel
ENGLISH 407 The Modern Novel
ENGLISH 408 Modern Poetry
ENGLISH 409 Literary Criticism
ENGLISH 422 A Survey of Modern Grammars
ENGLISH 423 Language and Culture
ENGLISH 432 Chaucer and Middle English Literature
ENGLISH 434 Renaissance Literature
ENGLISH 436 Eighteenth Century Literature
ENGLISH 438 Romantic Literature
ENGLISH 440 Victorian Literature
ENGLISH 450 Philosophical Concepts in Literature
ENGLISH 500 Seminar: Major American Writers of the Nineteenth Century
ENGLISH 501 Seminar: Major American Writers of the Twentieth Century
ENGLISH 502 Seminar in English Literature I
ENGLISH 503 Seminar in English Literature II
ENGLISH 504 Seminar in English Literature III
ENGLISH 508 Contemporary Literature
ENGLISH 530 Directed Research

FRENCH 440 French Culture and Civilization of Contemporary France

GEOGRAPHY 400 Geography of Russia
GEOGRAPHY 401 Regional Geography of Africa
GEOGRAPHY 402 Regional Geography of the Near East

GEOGRAPHY 411 Principles of Geomorphology
GEOGRAPHY 413 Principles of Climatology
GEOGRAPHY 415 Selected Problems
GEOGRAPHY 500 Geographical Influences in American History
GOEGRAPHY 502 Seminar: Anglo-America
GEOGRAPHY 503 Regional and Historical Geography of Europe
GEOGRAPHY 504 Seminar: Physical Geography
GEOGRAPHY 530 Directed Research

HEALTH 401 Community Health

HISTORY 401 American Diplomacy
HISTORY 405 The United States in the Twentieth Century I
HISTORY 406 The United States in the Twentieth Century II
HISTORY 407 The Westward Movement
HISTORY 409 Recent Trends and Development in Latin America
HISTORY 411 Problems in Latin American History
HISTORY 412 Social and Intellectual History of the United States I (1600-1875)
HISTORY 413 Social and Intellectual History of the United States II (1876 to present)
HISTORY 420 History of Science and Technology
HISTORY 421 Europe in the Twentieth Century World
HISTORY 423 Russia: Rise to Imperial Power
HISTORY 424 Twentieth Century Russia, Repression, Revolution, and Consolidation
HISTORY 425 History of Eastern Asia
HISTORY 426 History of Southern Asia
HISTORY 430 Readings in History
HISTORY 437 History of European Ideas
HISTORY 440 Minority Groups in United States History
HISTORY 450 Selected Problems in European Thought and Culture (1700-1840)
HISTORY 500 Major Forces in World Civilizations (Formerly Social Science 500)
HISTORY 502 Seminar: Colonial and Revolutionary America
HISTORY 504 Seminar in European History
HISTORY 505 Seminar: Maryland History
HISTORY 506 Seminar in Twentieth Century America
HISTORY 508 Seminar in American Diplomacy
HISTORY 510 Seminar in Latin American History
HISTORY 530 Directed Research
HISTORY 531 Thesis

MATHEMATICS 402 Theory of Numbers
MATHEMATICS 406 Geometric Structures
MATHEMATICS 407 Noneuclidean Geometry
MATHEMATICS 413 Probability
MATHEMATICS 421 Introduction to Mathematical Logic

MATHEMATICS 431 Point Set Topology
MATHEMATICS 441 Abstract Algebra
MATHEMATICS 451 Analysis I
MATHEMATICS 452 Analysis II
MATHEMATICS 461 Differential Equations
MATHEMATICS 490 Individual Study
MATHEMATICS 500 Foundations of Number Theory
MATHEMATICS 501 Foundations of Algebra
MATHEMATICS 502 Foundations of Geometry
MATHEMATICS 506 Selected Topics
MATHEMATICS 507 Seminar: Algebra
MATHEMATICS 530 Directed Research

MUSIC 404 Music for the Theatre
MUSIC 405 Music of the Baroque Period
MUSIC 406 Music of the Classical Period
MUSIC 407 Music of the Romantic Period
MUSIC 408 Modern Music
MUSIC 416 American Music
MUSIC 430 Music Concepts for Elementary School
MUSIC 500 Twentieth Century Music

PHILOSOPHY 400 Philosophical Images of Man
PHILOSOPHY 401 Philosophy of Religion
PHILOSOPHY 402 God in Modern and Contemporary Philosophy
PHILOSOPHY 403 Existentialism
PHILOSOPHY 406 Philosophy of Science
PHILOSOPHY 407 Theory of Knowledge
PHILOSOPHY 450 Philosophical Concepts in Literature

PHYSICAL EDUCATION 406 Administration and Organization
PHYSICAL EDUCATION 408 Movement Education
PHYSICAL EDUCATION 431 Tests and Measurements
PHYSICAL EDUCATION 450 Kinesiology
PHYSICAL EDUCATION 451 Psyco-Social Aspects of Physical Education
PHYSICAL EDUCATION 452 Applied Motor Learning
PHYSICAL EDUCATION 460 Dance Workshop

POLITICAL SCIENCE 401 Political Theory
POLITICAL SCIENCE 410 International Relations
POLITICAL SCIENCE 411 International Law
POLITICAL SCIENCE 412 Government and Politics of Latin America
POLITICAL SCIENCE 420 International Organization
POLITICAL SCIENCE 430 Legislative Process in the United States
POLITICAL SCIENCE 500 Problems of World Politics

PSYCHOLOGY 401 Psychology of the Exceptional Child

PSYCHOLOGY 403 Introduction to Psychological Measurement and Evaluation
PSYCHOLOGY 405 Abnormal Psychology
PSYCHOLOGY 407 Psychology of Personality
PSYCHOLOGY 408 Systems in Psychology
PSYCHOLOGY 412 Physiological Psychology
PSYCHOLOGY 420 Current Psychological Problems
PSYCHOLOGY 500 Psychology of the Mentally Retarded
PSYCHOLOGY 502 Intelligence Testing and Individual Analysis
PSYCHOLOGY 503 Behavioral Problems in Children and Youth
PSYCHOLOGY 504 Mental Hygiene
PSYCHOLOGY 505 Personality Assessment
PSYCHOLOGY 507 Psychotherapy and Counseling
PSYCHOLOGY 510 Projective Techniques
PSYCHOLOGY 530 Directed Research

SCIENCE 500 The Role of Science in Modern Civilization
SCIENCE 503 Advanced Physical Science I
SCIENCE 504 Advanced Physical Science II
SCIENCE 530 Directed Research

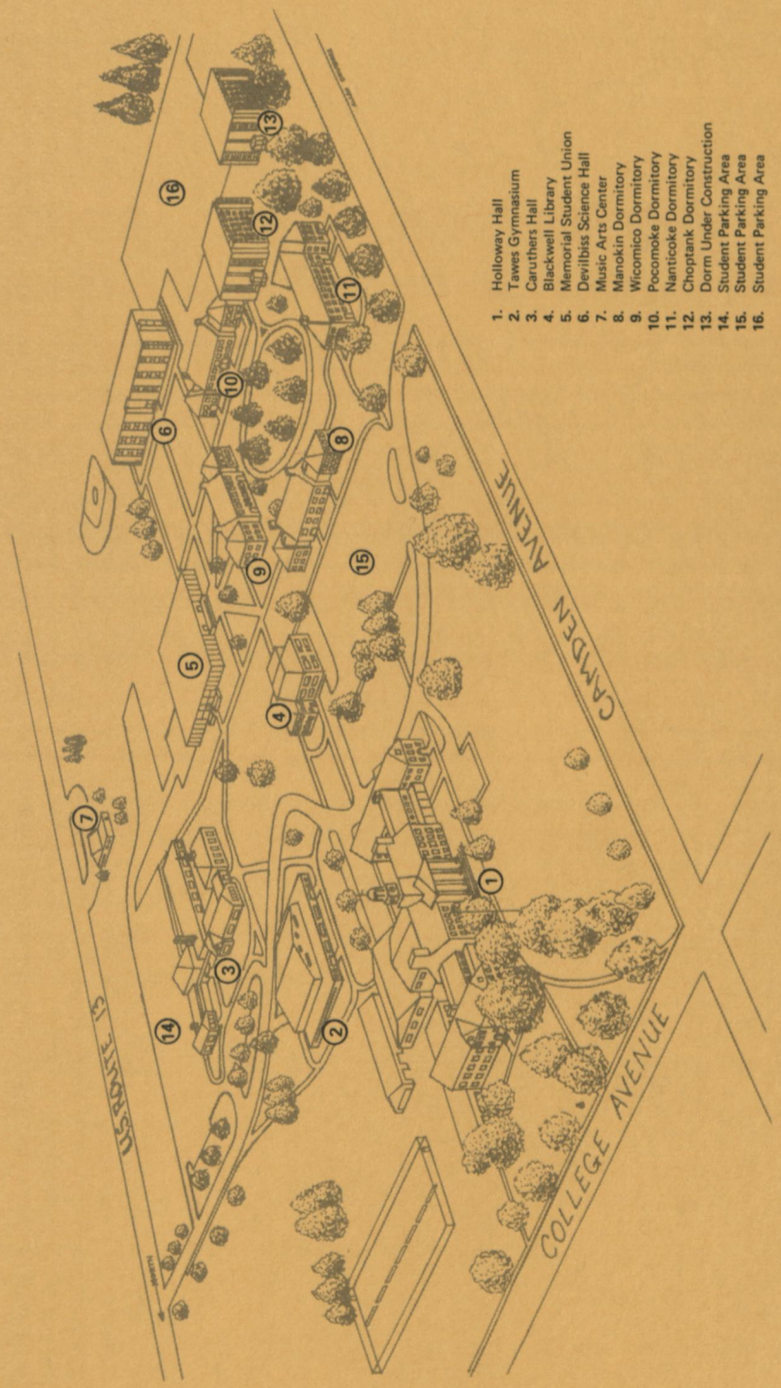
SOCIAL SCIENCE 400 Current Problems

SOCIOLOGY 411 Theory and Methods of Social Research
SOCIOLOGY 412 Development of Social Thought
SOCIOLOGY 413 The Sociology of Small Groups
SOCIOLOGY 414 Community Organization
SOCIOLOGY 471 Social Work Methods
SOCIOLOGY 473 Field Experience in Social Work I
SOCIOLOGY 475 Field Experience in Social Work II
SOCIOLOGY 478 Policies and Issues in Social Welfare
SOCIOLOGY 511 Social Planning
SOCIOLOGY 512 Graduate Seminar in Sociology

SPANISH 405 Special Problems in Spanish
SPANISH 412 Spanish Literature of the Golden Age I - Drama
SPANISH 413 Spanish Literature of the Golden Age II Poetry and Prose
SPANISH 414 Don Quijote
SPANISH 415 Nineteenth Century Spanish Literature-Romanticism
SPANISH 417 Nineteenth Century Spanish-American Literature
SPANISH 418 Contemporary Spanish and Latin American Novel
SPANISH 419 Contemporary Spanish and Latin American Drama
SPANISH 420 The Essay

SPEECH 403 Creative Dramatics in Elementary Education
SPEECH 404 Problems in Educational Theatre
SPEECH 410 Speech Correction and the Classroom Teacher
SPEECH 500 Oral Reading of Poetry and Prose

NOTES



1. Holloway Hall
2. Tawes Gymnasium
3. Caruthers Hall
4. Blackwell Library
5. Memorial Student Union
6. Devilbiss Science Hall
7. Music Arts Center
8. Manokin Dormitory
9. Wicomico Dormitory
10. Pocomoke Dormitory
11. Nanticoke Dormitory
12. Choptank Dormitory
13. Dorm Under Construction
14. Student Parking Area
15. Student Parking Area
16. Student Parking Area

SALISBURY STATE COLLEGE

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